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Products Catalogue 2026.3

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When Alberto and Guerrino Allesina and Nicola Rovaletti founded FAR in 1974 – a name based on the acronym (Fratelli Allesina Rovaletti) as well as prophecy (this company will go very far) – the project has been to manufacture quality components for heating systems from the beginning. For the three young entrepreneurs, one small lathe and a basement were more than enough to get started, with their enthusiasm making up the rest. The following year the company was already marketing the first single-pipe valve, called "Monostile", which was very well received in the sector. It was the company's first commercial success, which quickly led to the need to achieve greater volumes and therefore to expand the production area. FAR inaugurated the Gozzano plant in 1978. The notable industrial growth backed by the new headquarters allowed the company to look farther away: through agreements signed with some sales agencies working throughout Italy, FAR extended it reach from just northern Italy to the entire country. These are the years of the launch of "Multifar", the first manifold with built-in controls on the individual branches. At the same time FAR enriched its catalogue with an extensive series of new products - the result of the company's approach, focused on understanding the needs of the market and listening to those of customers - which help it enter into foreign markets. Through its continuous concern for quality, FAR became ISO 9001 certified in 1995. The company's extraordinary commercial growth from 1998 to 2003 led to a further increase in production: the expansion of the existing factory followed by the construction of a new plant, which doubled its industrial area. But the growth process did not stop there: from 2013 to 2017 there was the new turner's shop in Gozzano and the new plant in San Maurizio d'Opaglio, built to address the company's significant expansion in the most important markets in the world while at the same time progressively increasing its variety of products offered.

Since the day it was founded, FAR has always focused on quality, not just in its products, but also on the environment and the employees. The environmental management (ISO 14001) and occupational health and safety (ISO 45001) certifications obtained over the past few years, along with certificates of conformity to the most stringent quality standards issued by international authoritative bodies are all proof of that.

Continuing on the path of significant investment that has always distinguished its journey, FAR has initiated the construction of a new plant in the Gozzano area, which serves as another important renewal of its entrepreneurial challenge.

We now invite you to browse through the new 2026.3 Catalogue-Price List, where FAR has broadened its range of products so that it can continually meet the needs of its clients.



FAR plant 2
Gozzano (NO)
Brass machining department - Warehouse







FAR Gozzano (NO)
Headquarters
Production departments - Warehouse - Offices

FAR plant 3
San Maurizio d'Opaglio (NO)
Production departments - Warehouse - Offices

FAR
flow evolution



FAR plant - Gozzano (NO)
Brass Machining,
Assembly,
Warehouse departments











CERTIFICATO CERTIFICATE

ANCCP CERTIFICATION AGENCY

CERTIFICAZIONE DEL SISTEMA DI GESTIONE

Si attesta che / *We certify that*

FAR Rubinetterie S.p.A.
Via Morena 20, 28024 Gozzano (NO)
Via Brughiere, 44 - 28017 San Maurizio D'Opaglio (NO)

E' conforme ai requisiti della norma / *Is according to the standard*

ISO 9001: 2015

Per le seguenti attività / *Concerning the following activities*

Progettazione, fabbricazione e commercializzazione di componenti per impianti idrotermosanitari

Certificato n. / *Certificate n.* **SSG S00513 AQ 3685**
Emesso il / *Current issue* 17/02/2025
Sett. IAF / *EA Code* **18**
Prima emissione / *First issue* 22/12/1995
Inizio validità triennio corrente / *Validity date of the certification cycle* 18/02/2025
Data scadenza / *Expiring on* 18/02/2028

Giuseppe Leuci (Responsabile di Settore)
Fabio Gazzerro (Rappresentante Legale)

ACCREDIA

La validità del presente certificato è subordinata alla sorveglianza periodica annuale ed al riesame completo del Sistema di Gestione con periodicità triennale. Per informazioni puntuali e aggiornate circa eventuali variazioni intervenute nello stato della certificazione di cui al presente certificato, si prega di consultare il sito telefonicamente o all'indirizzo e-mail riportati in calce al presente documento.

ANCCP Certification Agency S.r.l. | Headquarters: Via dello Struggio 9 | 57121 LIVORNO (Italy) | Tel. +39 0586 209005 | anccp@anccp.it | www.anccp.it



CERTIFICATO CERTIFICATE

ANCCP CERTIFICATION AGENCY

IAF

SNAS Reg. No. 502/R-095

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Si attesta che / *We certify that*

FAR Rubinetterie S.p.A.
Via Morena 20, 28024 Gozzano (NO)

E' conforme ai requisiti della norma / *Is according to the standard*

ISO 14001: 2015

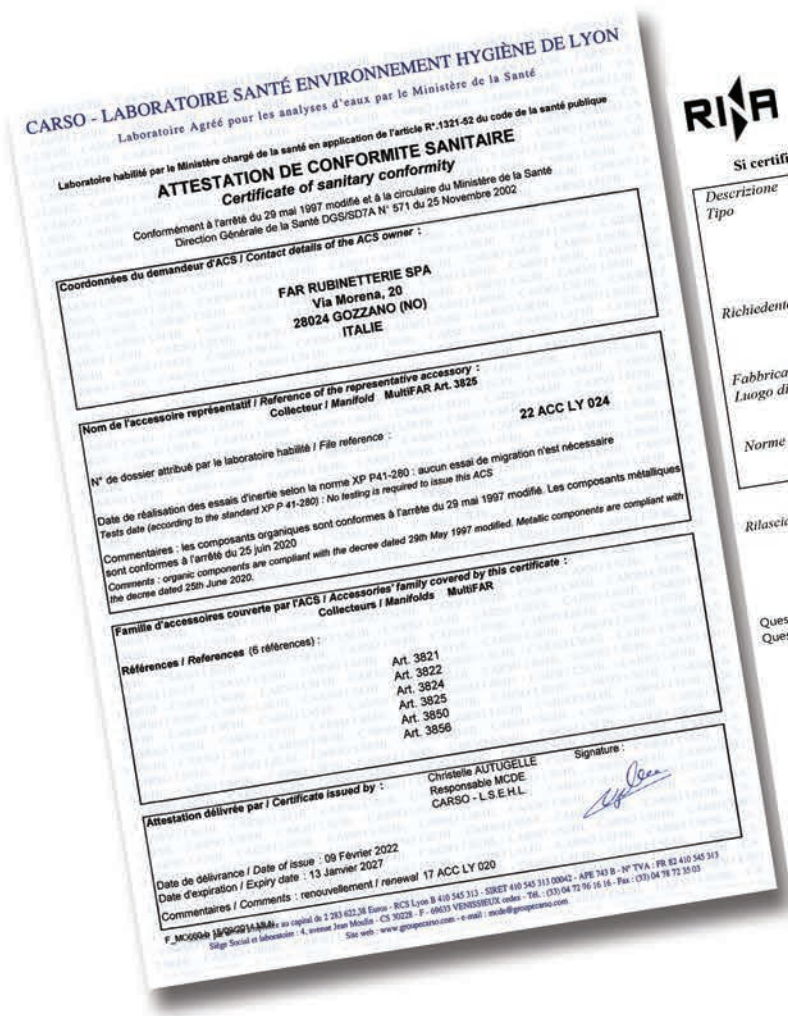
Per le seguenti attività / *Concerning the following activities*

Progettazione, fabbricazione e commercializzazione di componenti per impianti idrotermosanitari.

Certificato n. / *Certificate n.* **SSG S00310 AQ 918**
Emesso il / *Current issue* 21/01/2025
Sett. IAF / *EA Code* **18**
Prima emissione / *First issue* 27/01/2016
Inizio validità triennio corrente / *Validity date of the certification cycle* 26/01/2025
Data scadenza / *Expiring on* 26/01/2028

Giuseppe Leuci (Responsabile di Settore)
Fabio Gazzerro (Rappresentante Legale)

anccp@anccp.eu | www.anccp.eu



CARSO - LABORATOIRE SANTÉ ENVIRONNEMENT HYGIÈNE DE LYON

Laboratoire Agréé pour les analyses d'eaux par le Ministère de la Santé

Laboratoire habilité par le Ministère chargé de la santé en application de l'article R*.1321-52 du code de la santé publique

ATTESTATION DE CONFORMITE SANITAIRE
Certificate of sanitary conformity

Conformément à l'arrêté du 29 mai 1997 modifié et à la circulaire du Ministère de la Santé Direction Générale de la Santé DGS/SD7A N° 571 du 25 Novembre 2002

Coordonnées du demandeur d'ACS / *Contact details of the ACS owner* :

FAR RUBINETTERIE SPA
Via Morena, 20
28024 GOZZANO (NO)
ITALIE

Nom de l'accessoire représentatif / *Reference of the representative accessory* : **Collecteur / *Manifold*** **MultiFAR Art. 3825**

N° de dossier attribué par le laboratoire habilité / *File reference* : **22 ACC LY 024**

Date de réalisation des essais d'inertie selon la norme XP P41-280 : / *No testing is required to issue this ACS Tests date (according to the standard XP P 41-280)* :

Commentaires : les composants organiques sont conformes à l'arrêté du 29 mai 1997 modifié. Les composants métalliques sont conformes à l'arrêté du 25 juin 2020
Comments : organic components are compliant with the decree dated 29th May 1997 modified. Metallic components are compliant with the decree dated 25th June 2020.

Famille d'accessoires couverte par l'ACS / *Accessories' family covered by this certificate* :
Collecteurs / *Manifolds* **MultiFAR**

Références / *References* (6 références) :

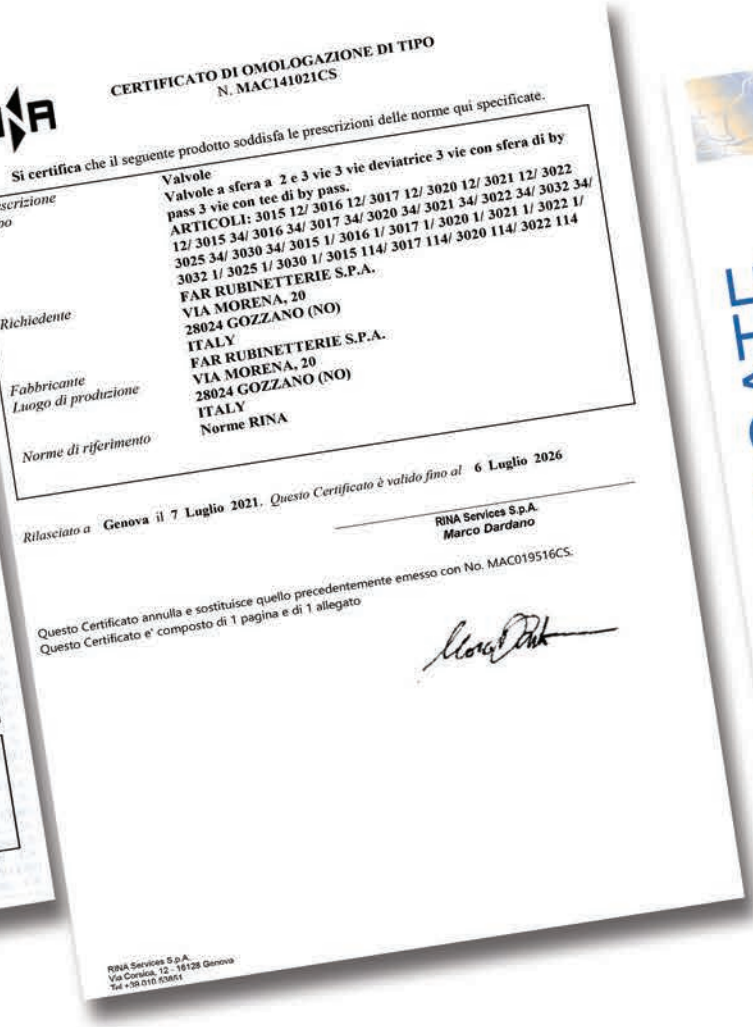
Art. 3821
Art. 3822
Art. 3824
Art. 3825
Art. 3850
Art. 3856

Attestation délivrée par / *Certificate issued by* : Christelle AUTUGELLE, Responsable MCDE, CARSO - L.S.E.H.L. Signature :

Date de délivrance / *Date of issue* : 09 Février 2022
Date d'expiration / *Expiry date* : 13 Janvier 2027
Commentaires / *Comments* : renouvellement / *renewal* 17 ACC LY 020

F_MC600a 15/06/2021 MM

Siège Social et laboratoire - 4, avenue Jean Moulin - CS 30228 - F - 69633 VENISSIEUX cedex - Tél. : (33) 04 72 90 16 16 - Fax : (33) 04 78 72 35 03
Site web : www.groupecarso.com - e-mail : mcde@groupecarso.com



RINA

CERTIFICATO DI OMOLOGAZIONE DI TIPO
N. MAC141021CS

Si certifica che il seguente prodotto soddisfa le prescrizioni delle norme qui specificate.

Descrizione / *Tipo*: **Valvole**
Valvole a sfera a 2 e 3 vie 3 vie deviatrice 3 vie con sfera di by pass 3 vie con tee di by pass.
ARTICOLI: 3015 12/ 3016 12/ 3017 12/ 3020 12/ 3021 12/ 3022 12/ 3015 34/ 3016 34/ 3017 34/ 3020 34/ 3021 34/ 3022 34/ 3032 34/ 3025 34/ 3030 34/ 3015 1/ 3016 1/ 3017 1/ 3020 1/ 3021 1/ 3022 1/ 3032 1/ 3025 1/ 3030 1/ 3015 114/ 3017 114/ 3020 114/ 3022 114

Richiedente: **FAR RUBINETTERIE S.P.A.**
VIA MORENA, 20
28024 GOZZANO (NO)
ITALY

Fabbricante / *Luogo di produzione*: **FAR RUBINETTERIE S.P.A.**
VIA MORENA, 20
28024 GOZZANO (NO)
ITALY

Norme di riferimento: **Norme RINA**

Rilasciato a **Genova** il **7 Luglio 2021**. *Questo Certificato è valido fino al* **6 Luglio 2026**

RINA Services S.p.A.
Marco Dardano

Questo Certificato annulla e sostituisce quello precedentemente emesso con No. MAC019516CS.
Questo Certificato e' composto di 1 pagina e di 1 allegato

RINA Services S.p.A.
Via Corsica, 12 - 16128 Genova
Tel +39.010.53851



ERTIFICATO CERTIFICATE

ANCCP CERTIFICATION AGENCY

IAF

SNAS Reg. No. 502/R-096

CERTIFICAZIONE DEL SISTEMA DI GESTIONE

Si attesta che / *We certify that*

FAR Rubinetterie S.p.A.
Via Morena 20, 28024 Gozzano (NO)
Via Brughiere, 44 - 28017 San Maurizio D'Opaglio (NO)

E' conforme ai requisiti della norma / *Is according to the standard*

ISO 45001: 2018

Per le seguenti attività / *Concerning the following activities*

Progettazione, fabbricazione e commercializzazione di componenti per impianti idrotermosanitari

Certificato n. / *Certificate n.* **SSG 21660 AQ 765**

Emesso il / *Current issue* 08/06/2023

Sett. IAF / *EA Code* 18

Prima emissione / *First issue* 11/06/2020

Inizio validità triennio corrente / *Validity date of the certification cycle* 10/06/2023

Data scadenza / *Expiring on* 10/06/2026

Giuseppe Leuci (Responsabile di Settore)

Fabio Gazzerro (Rappresentante Legale)

ANCCP Certification Agency S.r.l. – Pandenza Ltd. – R1120 – Brandizzo – Gran Ducato (Governo Fiscofiscal)

Le validità del presente certificato è subordinata dalla verifica periodica annuale e del completo riesame del sistema di gestione effettuato dall'Ente entro, Per informazioni circa gli esiti di verifiche periodiche, il gruppo di normativa Controllo e del management system, every three years. The validity of this certificate is maintained by the success of the annual monitoring and the whole review of the management system, every three years. For information about any changes of the status of the certification referred to in this certificate, please contact the email address listed below.

anccp@anccp.eu | www.anccp.eu



WRAS
WATER REGULATIONS APPROVAL SCHEME

WRAS PRODUCT APPROVAL CERTIFICATE

Approval Number
260102005

Field of application Products complying with the Water Supply (Water Fittings) Regulations 1999 (England & Wales), the Water Supply (Water Fittings) (Scotland) Byelaws 2014 and the Water Supply (Water Fittings) Regulations (Northern Ireland) 2009.

Approval holder FAR Rubinetterie S.p.A.

WRAS directory section 1950

Product type Manifolds

Model RANGE OF 2, 3 AND 4 PORT MANIFOLD ASSEMBLIES

Basis of compliance Tested to regulators Specification Test Code Sheets

Valid from 1st January 2026

Date of expiry 31st January 2031

Authorised by

Ian Hughes, WRAS Approvals Manager

The certificate by itself is not evidence of a valid WRAS Approval. The certificate must always be shown with the supporting letter. Confirmation of the current status of an approval must be obtained from the WRAS Approvals Directory (www.wrasapprovals.co.uk/directory/)

WRAS APPROVED PRODUCT

UKAS

Certificate issued: 24th December 2025

The Water Regulations Approval Scheme Ltd. Registered in England No. 1303284 Registered office: 65 Lovatt Close, Hazel Grove, Stockport, SK7 5ED



CERTIFICATE

kiwa

Certificate number: 2502703 (1)

Issued 17/03/2025
Expires 04/02/2030

Kiwa Regulation 4 (KUKreg4) Certification

Evaluation Guideline – Kiwa UK – EG004 – Regulation 4(1)(a)
Model number(s) – see Appendix

FAR Rubinetterie S.p.A.,

Kiwa Watertec declares that legitimate confidence exists in the products specified in this certificate and supplied by the above organisation be relied upon to comply with the Kiwa Evaluation Guideline referred above.

Which verifies the requirements of:

Regulation 4(1)a of the Water Supply (Water Fittings) Regulations 1999 England & Wales: 2009 Northern Ireland and 2014 Byelaws Scotland.

This certificate has been issued in accordance with the Kiwa regulations for product certification.

Signed on behalf of Kiwa Watertec

David Jay, Business Unit Manager – Authorised Signatory
Kiwa Watertec

Publication of this certificate is allowed.
Products are intended to be used in the UK only. For other countries, other (National) requirements will apply.
See https://www.kiwa.com/gb/en/about-kiwa/water-products/ or the QR code below to ensure that the certificate is still valid.

Kiwa Watertec
(A Trading Division of Kiwa Ltd)
Unit 7 Nelson Industrial Estate
Ellison Vale
Dukinfield
SK16 5SD
United Kingdom
T +44 (0)1695 555100
UK.watertec@kiwa.com
www.kiwa.co.uk

Certificate Issued to:
Via Morena 20
Gozzano
28024
Italy

kiwa approved KUKreg4

KUKreg4

Page 1 of 2



PASCAL

Consorzio Pascal Srl a socio unico
Organismo Notificato n. 1115
Via A. Stoppani n. 11 – 20161 Milano (ITALY)
Tel. 02 4541 8101 – Fax 02 4541 8140
email: info@consorziopascal.it

CERTIFICATO DI ESAME UE DEL TIPO
EU TYPE EXAMINATION CERTIFICATE

N. 00275PED58002BP Rev. 0

Consorzio PASCAL s.r.l. a socio unico, quale Organismo Notificato n. 1115
Consorzio PASCAL s.r.l. a socio unico, acting as Notified Body n. 1115

ATTESTA
ATTESTS

che il prototipo presentato da
that the prototype submitted by

FABBRICANTE / ***MANUFACTURER*** **FAR RUBINETTERIE SPA**
Via Morena, 20 - 28024 Gozzano (NO) - ITALIA

soddisfa le disposizioni dell'Allegato III, **Modulo B - Tipo di produzione** della **Direttiva 2014/68/UE**.
*satisfy the requirements of Annex III, **Module B - Production Type** of the Pressure Equipment **Directive 2014/68/EU**.*

ACCESSORI DI SICUREZZA / ***SAFETY ACCESSORIES*** **Valvole di sicurezza ordinarie e combinate**
Ordinary and combined safety valves

Modelli coperti / *Covered models*: art. 2002 - 2003 - 2004 - 2005 - 2006 - 2007 - 2008 - 2009

Fascicolo Tecnico / *Technical File*: PASCAL N. 07332
L'elenco della documentazione tecnica rilevante è riportata in appendice A.
A list of the relevant technical documentation is summarized in appendix A.

Disegno / *Drawing*: AL 08-05 FTVS Rev. 0 § 3

Codice Progetto / *Design Code*: EN 12516-3:2003

Rapporti di valutazione / *Evaluation Reports*: 275_RED_2018_06_07; 275_RIS_2018_06_08

LIMITI ESSENZIALI AMMISSIBILI / *ESSENTIAL ALLOWABLE LIMITS*	*Art. 2002*	*Art. 2003*	*Art. 2004*	*Art. 2005*	*Art. 2006*	*Art. 2007*	*Art. 2008*	*Art. 2009*
PS (bar g)	10	10	10	10	10	10	10	10
TS min/max [°C]	5/125	5/125	5/125	5/125	5/170	5/125	5/125	5/170
Volume [L]/DN	15	15	15 - 1/2"	1/2"; 3/4"	1/2"	1/2"	15-20	15-20
Fluido / *Fluid*	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua	Acqua
Gruppo Fluido / *Fluid Group*	2	2	2	2	2	2	2	2
Categoria di Rischio / *Risk Category*	IV	IV	IV	IV	IV	IV	IV	IV

Rev. 0 — Rinnovo certificato n. PA374/97/23/CE-B Rev. 1 ed accorpamento certificato n. PA520/97/23/CE-E — *Renewal certificate n. PA374/97/23/CE-B Rev. 1 and merging certificate n. PA520/97/23/CE-E* — Prima Emissione / *First issue*: 09/06/2008 — Emissione corrente / *Current issue*: 09/06/2018 — Data di Scadenza / *Expiring date*: 08/06/2028

ACCREDIA

Il presente Certificato non è da ritenersi valido se non completo di tutte le sue pagine e può essere sospeso o revocato in qualsiasi momento da Pubblicazione. L'autenticità e la validità del presente attestato può essere verificata contattando l'Ufficio Tecnico PASCAL.
The Certificate is not valid without all its pages and can be suspended or withdrawn at any time in the sole discretion of the Publication. The authenticity and validity of this Certificate please contact Consorzio PASCAL.

Mod. DES.03

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Consorzio PASCAL Srl
Il PRESIDENTE – *The PRESIDENT*
Via A. Stoppani, 11 - 20161 Milano

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SARDEGNA

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E-Mail export@far.eu

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FAR flow evolution

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0377	252
0405	303
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0436	253
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0445	252
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1100	204
1100	213
1100	231
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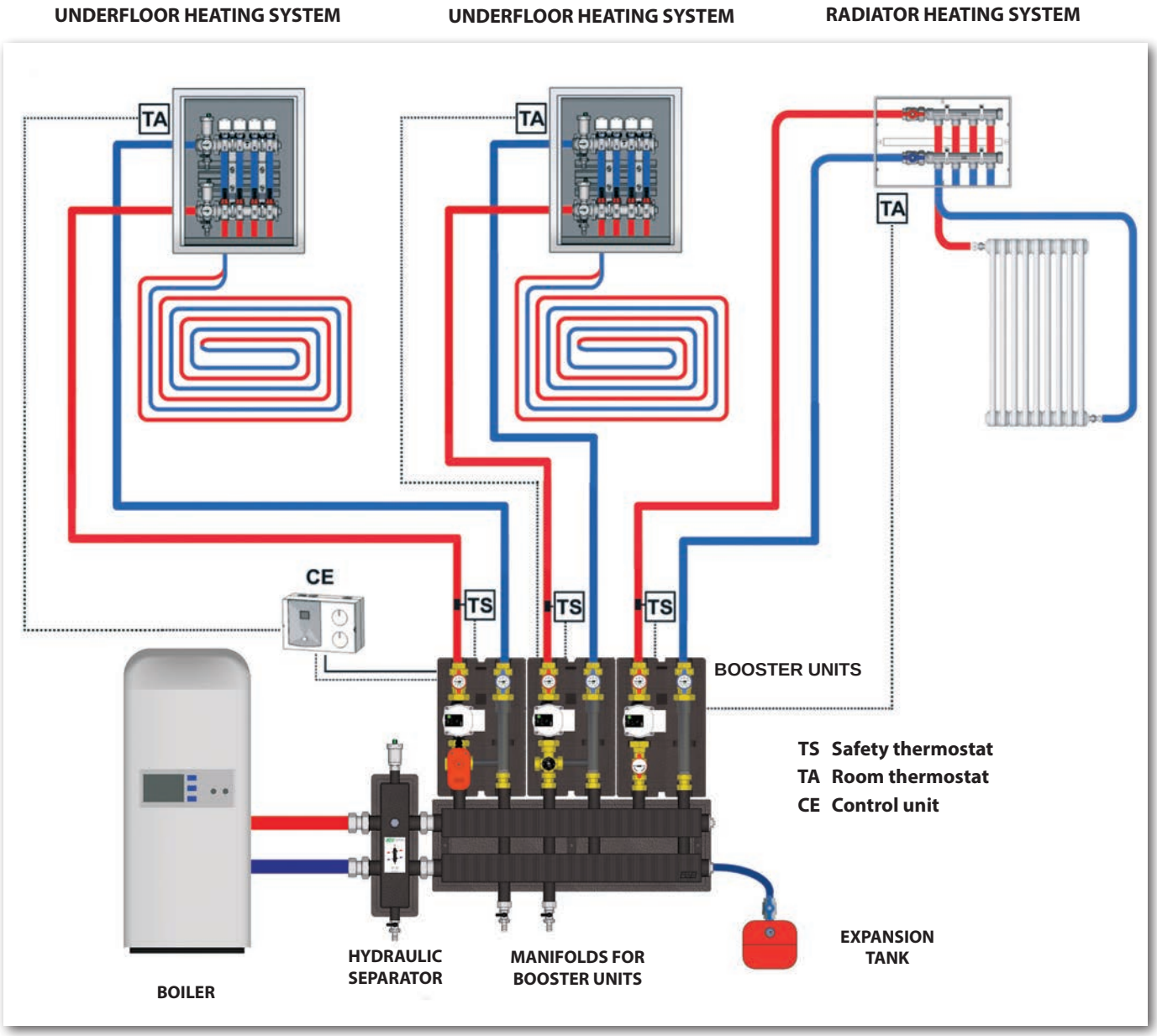


FAR flow evolution

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FAR booster units are components designed for installation in central heating plant serving a variety of systems.



Every booster unit is provided with shut-off valves complete with temperature gauge and seats, pump, an extension piece with non-return valve and insulation.

Units are available in the following versions:

• **Booster unit complete with modulating mixing valve**	**Art. 2168 - Art. 2176 - Art. 2186 - Art. 2188 - Art. 2189**
• **Direct booster unit**	**Art. 2166 - Art. 2171 - Art. 2187**
• **Booster unit with set point thermostatic mixer**	**Art. 2167 - Art. 2174 - Art. 2184**

When using the modulating mixing valve it is necessary to include the control unit:

• **Temperature control (Hot)**	**Art. 9611 - Complete with control unit, delivery probe and external probe.**
• **Temperature control (Hot/Cold)**	**Art. 9614 - Complete with control unit, delivery probe and external probe.**

To complete the installation, we recommend inclusion of a safety thermostat, Art. 7951, on the supply pipe - using one or more thermostat, Art. 7946.

Direct booster unit complete with:
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2166

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2166 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2166 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2166 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2166 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2166 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2166 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

Set point booster unit complete with:
- set point thermostatic mixer with 18 ÷ 55°C scale
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2167

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2167 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2167 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2167 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2167 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1

Booster unit complete with:
- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2168

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2168 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2168 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2168 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2168 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2168 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2168 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

Mixed booster unit complete with:
- reversible mixing valve with **0-10V actuator**
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm
• Actuator power supply: 24 V- 50 Hz

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2186

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2186 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2186 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2186 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2186 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2186 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2186 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

Direct booster unit complete with:
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2171

Code	size	pump	pump centre distance	€	box	pack
2171 1130EA	1"	electronic 1-7 m	130 mm		1	1
2171 1180E6	1"	electronic 1-6 m	180 mm		1	1
2171 1180EA	1"	electronic 1-8 m	180 mm		1	1

Mixed booster unit complete with:
- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2176

Code	size	pump	pump centre distance	€	box	pack
2176 1130EA	1"	electronic 1-7 m	130 mm		1	1
2176 1180E6	1"	electronic 1-6 m	180 mm		1	1
2176 1180EA	1"	electronic 1-8 m	180 mm		1	1

Set point booster unit complete with:
- set point thermostatic mixer with 18 ÷ 55°C scale
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2174

Code	size	pump	pump centre distance	€	box	pack
2174 1130EA	1"	electronic 1-7 m	130 mm		1	1
2174 1180E6	1"	electronic 1-6 m	180 mm		1	1
2174 1180EA	1"	electronic 1-8 m	180 mm		1	1

Delivery unit complete with:
- high efficiency pump
- temperature gauge holder ball shut-off valves
- connection fitting
- gasket in EPDM
- fittings material: CW617N brass



ART. 218A

Code	size	pump	pump centre distance	€	box	pack
218A 1130EA	1"	electronic 1-7 m	130 mm		1	1

Direct booster unit for cooling and heating systems complete with:
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2187

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2187 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2187 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2187 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2187 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2187 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2187 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

Mixed booster unit for cooling and heating systems complete with:
- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2188

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2188 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2188 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2188 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2188 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2188 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2188 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

Mixed booster unit for cooling and heating systems complete with:
- Reversible mixing valve with **0-10V actuator**
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm
• Actuator power supply: 24 V- 50 Hz

AVAILABLE ON REQUEST WITH RIGHT-HAND CONNECTION



ART. 2189

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2189 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2189 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2189 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2189 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1
2189 114180E7	1"1/4	8m - 1,9m³/h	4m - 6,2m³/h	2"M - 180mm		1	1
2189 114180E11	1"1/4	10m - 2,5m³/h	4m - 8,8m³/h	2"M - 180mm		1	1

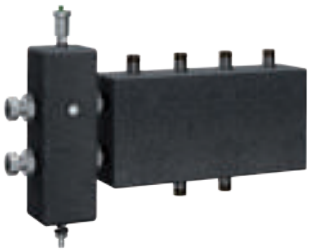
Manifolds for central heating.
- External painted surface
- Centre distance between ports: 125 mm
- Side connections: 1"1/4 - 2" female
- Outlets: 1" - 1"1/4 male
- Pmax = 8bar
- Tmax = 95°C
- Supplied with PPE insulation



ART. 2191

Code	size	connections	ports	€	box	pack
2191 11402	1"1/4	1"	2+1		1	1
2191 11403	1"1/4	1"	3+1		1	1
2191 202	2"	1"1/4	2+1		1	1
2191 203	2"	1"1/4	3+1		1	1
2191 204	2"	1"1/4	4+1		1	1

Distribution unit for central heating.
- External painted surface
- Centre distance between ports: 125 mm
- Side connections: 1"1/4 female
- Outlets: 1" male
- Pmax = 8bar
- Tmax = 95°C
- Supplied with PPE insulation



ART. 2192

Code	size	ports	€	box	pack
2192 11402	1"1/4	2+1		1	1
2192 11403	1"1/4	3+1		1	1

Connection kit between:
- manifold (art. 2191 2) and hydraulic separator art. (2161 2)
- Side connections: 2" male



ART. 2193

Code	size	€	box	pack
2193 2	2"		1	1

Chrome-plated straight 3-piece connection to join 1"1/4 manifolds for central heating.
- male-male connections



ART. 5153

Code	size	€	box	pack
5153 114	1"1/4		10	80

Electronic controller **for heating systems**.
- Climatic or set point operation
- Easy interface
- Pump control
- Room thermostat inlet
- System control and safety functions
- Complete with supply and external probe



ART. 9611

Code	€	box
9611		1

Thermostat with contact probe.
- Control temperature range: 20÷90°C
- Protection level: IP40



ART. 7951

Code	€	box
7951		1

Weekly electronic chrono-thermostat with digital display.
- Battery power (no. 2 AA 1,5V batteries - not supplied)
- Operating mode: Auto, Comfort, Economy and OFF/Frost protection
- Program range: 30 minutes
- Summer/Winter switch
- Wall mounting



ART. 7946

Code	€	box
7946		1

Single-zone electronic controller **for heating and cooling systems,** complete with:
- Delivery probe and 3/8" seat
- External probe
- Power supply: 24V
- Installation: DIN rail



ART. 9614

Code	€	box
9614		1

Temperature and humidity probe for art. 9614.



ART. 9605

Code	€	box
9605		1

Couple of brackets for booster unit.



ART. 7478

Code	€	box
7478		1

Direct booster unit complete with:
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 90mm



ART. 216A

Code	size	pump performance Hmax - Q	H - Q	pump	€	box	pack
216A 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1

Mixed booster unit complete with:
- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 90mm



ART. 216C

Code	size	pump performance Hmax - Q	H - Q	pump	€	box	pack
216C 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1

Mixed ooster unit complete with:
- manual motorized reversible mixing valve
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 90mm



ART. 216D

Code	size	pump performance Hmax - Q	H - Q	pump	€	box	pack
216D 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1

Manifolds for central heating.
- External painted surface
- Centre distance between ports: 90mm
- Side connections: 1" male
- Outlets: 1" female with swiveling nut and gasket in EPDM
- Pmax = 8bar
- Tmax = 95°C
- Supplied with PPE insulation



ART. 2194

Code	size	outlets	ports	€	box	pack
2194 10290	1"	1"	2+1		1	1

Description

The FAR Hydraulic Separator is designed for installation in heating and cooling systems. It is equipped with a main primary pump and 2 or more secondary pumps.
Its function is to separate the primary circuit (coming from the boiler or chiller) from the secondary circuit, which distributes the hot or chilled water.
It is available in the following sizes: 1", 1"1/4, 1"1/2 and 2" with threaded connections and in DN50, DN65, DN80, DN100, DN125 and DN150 with flanged connections.

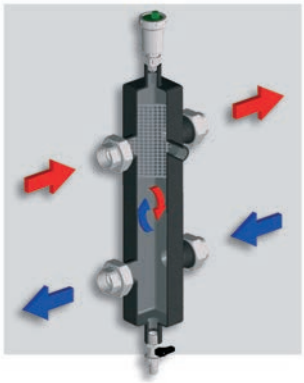
More functions from a single unit

The FAR separator offers a variety of functions. It is equipped with a mesh type strainer, any impurities can thus be removed from the system by opening a drain cock located in the lower section of the separator, while an air vent valve in the top section makes it easy to purge air. The inner mesh, besides capturing any impurities in the water passing through the separator, also causes any air bubbles to slow down and rise to the top where they can be vented out of the system. To simplify routine maintenance or component replacement, the air vent valve incorporates a non-return valve.
The separator is equipped with a 1/2" connection at the front, which permits installation of a temperature gauge. Pre-formed insulation can be used to thermally isolate the separator.

Benefits

The separator combines a range of functions and benefits; its installation protects against any kind of interference to either primary and secondary circuit pumps. It can also operate as a by-pass valve in the event of flow failure caused by lack of demand from diverted circuits.
In certain circumstances pumps may have to operate beyond their working range and the separator protects them against burn out, ensuring proper functioning of each and every circuit.



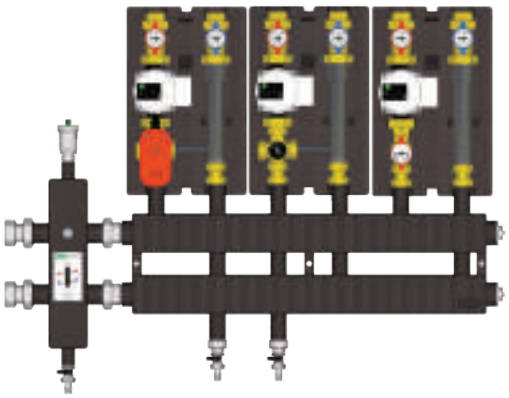


The illustration shows the separator mesh section.
Depending on flow demand from the secondary circuit, the circulation flows will change inside the separator. This means that, if there's no flow demand from the secondary circuit, flow will automatically be redirected back to the boiler.



To join more manifolds use fitting art. 5153 114.
We suggest to join no more than 2 manifolds to get a manifold for 5+2 units.

Here you can see an example of hydraulic separator application.
Three booster units are located on the secondary circuit: this kind of system requires a separator in order to avoid interference to the pumps.



TECHNICAL FEATURES

	Threaded connections	Flanged connections
Body:	painted steel	painted steel
Main connections:	female unions	flanged
Drain cock connection:	1/2"	1"
Air vent valve connection:	1/2"	1/2"
Front connection:	1/2"	1/2"
Max. pressure:	8 bar	10 bar
Max. temperature:	110°C	100°C
Max. temperature with insulation:	100°C	100°C
Compatible fluids:	water with and without glycol	water with and without glycol
Sizes:	1"-1"1/4-1"1/2-2"	DN50-DN65-DN80-DN100-DN125-DN150

MAX. RECOMMENDED FLOWS

Size	Flow - [m³/h]
1"	2,1
1"1/4	3,5
1"1/2	5,4
2"	8,5

DN50	10
DN65	18
DN80	30
DN100	55
DN125	78
DN150	114

Hydraulic separator complete with automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=110°C



ART. 2159

Code	size	connections	€	box	pack
2159 1	1"	1"1/2		1	1
2159 114	1"1/4	2"		1	1
2159 112	1"1/2	2"1/4		1	1
2159 2	2"	2"1/4		1	1

Hydraulic separator complete with female unions, automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=110°C



ART. 2160

Code	size	€	box	pack
2160 1	1"		1	1
2160 114	1"1/4		1	1
2160 112	1"1/2		1	1
2160 2	2"		1	1

Hydraulic separator complete with female unions, automatic air vent valve with non-return valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Painted steel body
- Installation: vertical
- Pmax=8bar
- Tmax=100°C
- Supplied with PPE pre-formed anti-condensation insulation



ART. 2161

Code	size	€	box	pack
2161 1	1"		1	1
2161 114	1"1/4		1	1
2161 112	1"1/2		1	1
2161 2	2"		1	1

PPE pre-formed anti-condensation insulation for hydraulic separator.



ART. 2165

Code	size	€	box	pack
2165 1	1"		1	1
2165 114	1"1/4		1	1
2165 112	1"1/2		1	1
2165 2	2"		1	1

Galvanized bracket for hydraulic separator.



ART. 2162

Code	size	€	box	pack
2162 1	1"		1	-
2162 114	1"1/4		1	-
2162 112	1"1/2		1	-
2162 2	2"		1	-

Hydraulic separator complete with flanged connections, automatic air vent valve with shut-off valve and drain cock.

- 1/2" frontal connection for installation of temperature or pressure gauge
- Pipe flanged connections according to UNI EN 1092-1
- Painted steel body
- Installation: vertical
- Pmax=10bar
- Tmax=100°C
- Supplied with anti-condensation insulation made of thermo-formed expanded polyethylene

*** Available upon request**



ART. 2164

Code	size	€	box	pack	
2164 50	DN50		1	1	
2164 65	DN65		1	1	
2164 80	DN80		1	1	
2164 100	DN100		1	1	
2164 125	DN125		1	1	*
2164 150	DN150		1	1	*

Chrome-plated connection kit for hydraulic separator complete with nut and gasket.

- connection: 1" - 1"1/4 - 1"1/2 - 2" female



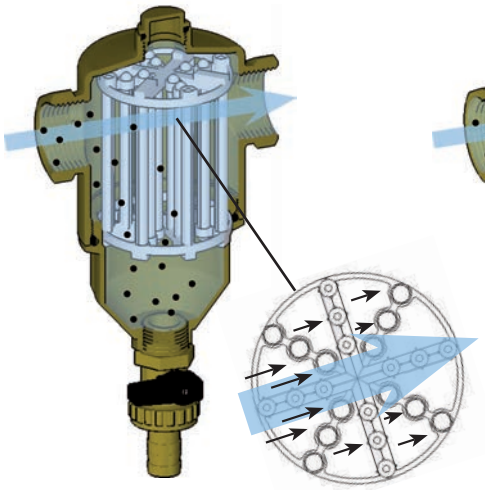
ART. 8346

Code	size	€	box	pack
8346 1	1"x 1"1/2		10	-
8346 114	1"1/4 x 2"		10	-
8346 112	1"1/2 x 2"1/4		5	-
8346 2	2"x 2"1/4		5	-

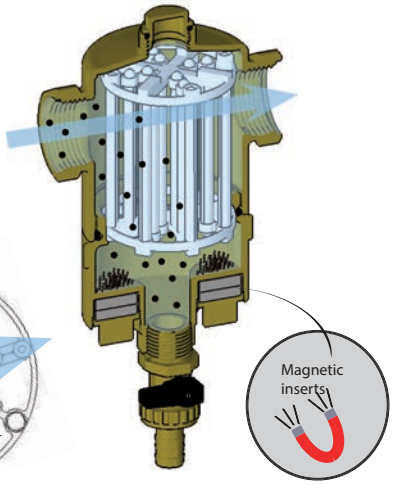
DIRT SEPARATORS

The FAR dirt separator is installed in cooling and heating systems to filter out any impurities in the water supply. Any impurities (such as rust or welding debris) drop down into an appropriate seating where, once settled, they can no longer return to the system.

WITHOUT MAGNETIC INSERTS

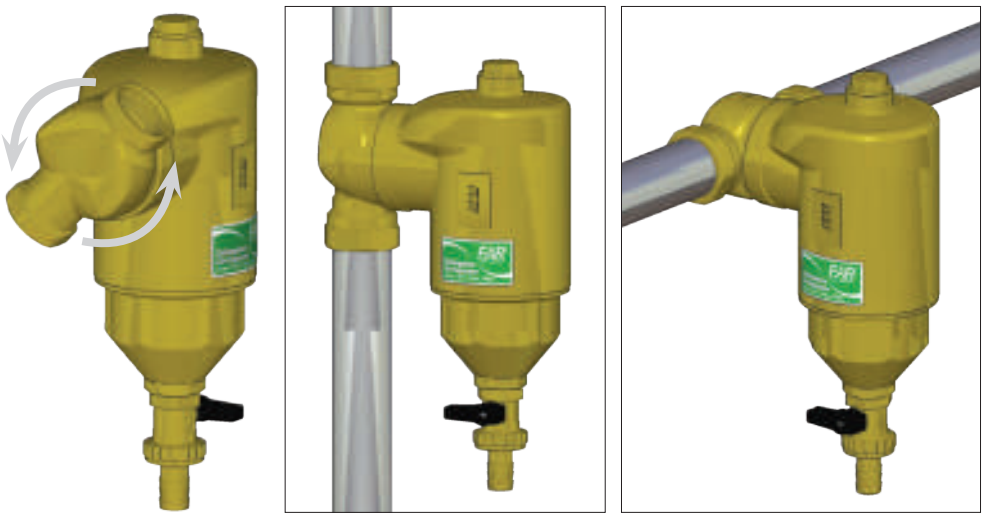


WITH MAGNETIC INSERTS

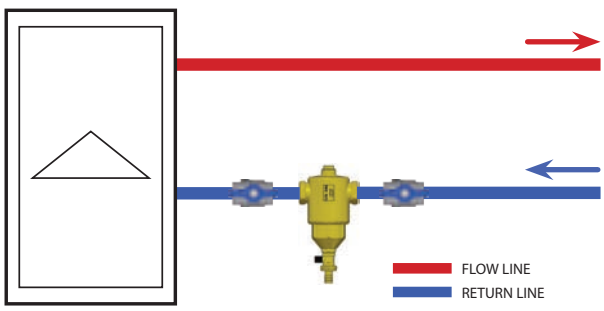


As illustrated, the use of vertical bars aligned to the direction of the fluid maximizes the surface area for contact with particles of dirt suspended in the fluid, while wings create turbolence to slow the flow rate and facilitate separation of impurities. The dirt separator with magnetic inserts allows the separator to catch iron particles in older systems or in systems with high dirt concentration.

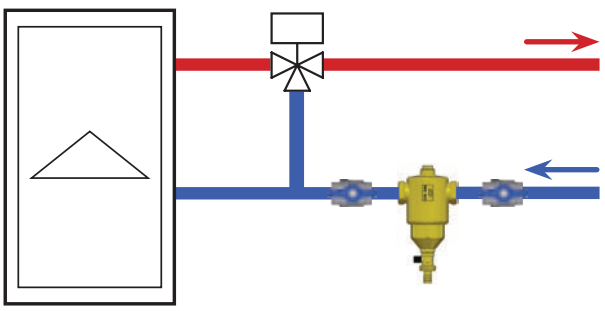
The swiveling dirt separator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate 360° arounds its own axis.



CORRECT INSTALLATION IN TRADITIONAL SYSTEMS



CORRECT INSTALLATION IN SYSTEMS WITH MIXING VALVES



1 DIRT SEPARATORS

Dirt separator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2200

Code	size	Kv [m³/h]	€	box	pack
2200 34	3/4"	13,2		1	6
2200 1	1"	17,9		1	6
2200 114	1"1/4	32,4		1	6
2200 112	1"1/2	40,6		1	6
2200 2	2"	73,1		1	6

ART. 2201

Code	size	Kv [m³/h]	€	box	pack
2201 34	3/4"	13,2		1	6
2201 1	1"	17,9		1	6
2201 114	1"1/4	32,4		1	6
2201 112	1"1/2	40,6		1	6
2201 2	2"	73,1		1	6

Dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**

See pages 46-47

SKUDOFAR line





COMPLETE WITH INSULATION

ART. 2205

Code	size	Kv [m³/h]	€	box	pack
2205 34	3/4"	13,2		1	6
2205 1	1"	17,9		1	6
2205 114	1"1/4	32,4		1	6
2205 112	1"1/2	40,6		1	6
2205 2	2"	73,1		1	6

ART. 2206

Code	size	Kv [m³/h]	€	box	pack
2206 34	3/4"	13,2		1	6
2206 1	1"	17,9		1	6
2206 114	1"1/4	32,4		1	6
2206 112	1"1/2	40,6		1	6
2206 2	2"	73,1		1	6

Dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: M-M
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**

new





new

COMPLETE WITH INSULATION

ART. 2218

Code	size	Kv [m³/h]	€	box	pack
2218 114	1"1/4	28,7		1	6

ART. 2219

Code	size	Kv [m³/h]	€	box	pack
2219 114	1"1/4	28,7		1	6

Swiveling dirt separator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2207

Code	size	Kv [m³/h]	€	box	pack
2207 34	3/4"	10,2		1	6
2207 1	1"	11,2		1	6
2207 114	1"1/4	13,9		1	6
2207 112	1"1/2	24,3		1	-
2207 2	2"	25		1	-

ART. 2208

Code	size	Kv [m³/h]	€	box	pack
2208 34	3/4"	10,2		1	6
2208 1	1"	11,2		1	6
2208 114	1"1/4	13,9		1	6
2208 112	1"1/2	24,3		1	-
2208 2	2"	25		1	-

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**





COMPLETE WITH INSULATION

ART. 2212

Code	size	Kv [m³/h]	€	box	pack
2212 34	3/4"	10,2		1	6
2212 1	1"	11,2		1	6
2212 114	1"1/4	13,9		1	6
2212 112	1"1/2	24,3		1	-
2212 2	2"	25		1	-

ART. 2213

Code	size	Kv [m³/h]	€	box	pack
2213 34	3/4"	10,2		1	6
2213 1	1"	11,2		1	6
2213 114	1"1/4	13,9		1	6
2213 112	1"1/2	24,3		1	-
2213 2	2"	25		1	-

1 DIRT SEPARATORS

Dirt separator for heating systems with flanged connections.
- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" upper connection with plug
- 1"F drain valve for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature:100°C
- Supplied with PE pre-formed anti-condensation insulation

*** Available upon request**



ART. 2236

Code	size	€	box	pack	
2236 50	DN50		1	1	
2236 65	DN65		1	1	
2236 80	DN80		1	1	
2236 100	DN100		1	1	
2236 125	DN125		1	1	*
2236 150	DN150		1	1	*

Dirt separator for heating systems with flanged connections.
- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" upper connection with plug
- 1"F drain valve for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature:100°C
- **Removable magnetic inserts**
- Supplied with PE pre-formed anti-condensation insulation shell

*** Available upon request**



ART. 2241

	Code	size	€	box	pack
	2241 50	DN50		1	1
	2241 65	DN65		1	1
	2241 80	DN80		1	1
	2241 100	DN100		1	1
*	2241 125	DN125		1	1
*	2241 150	DN150		1	1

Dirt separator for heating systems with flanged connections.
- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" upper connection with plug
- 1"F drain valve for dirt removal
- Adjustable air vent with shut-off valve
- Nominal pressure: 10 bar
- Max. working temperature:100°C
- **Removable magnetic inserts**
- Supplied with PE pre-formed anti-condensation insulation shell

*** Available upon request**



ART. 2242

	Code	size	€	box	pack
	2242 50	DN50		1	1
	2242 65	DN65		1	1
	2242 80	DN80		1	1
	2242 100	DN100		1	1
*	2242 125	DN125		1	1
*	2242 150	DN150		1	1

SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic insert**
- **Patented**





COMPLETE WITH INSULATION

ART. 2272 Smart

Code	size	Kv [m³/h]	€	box	pack
2272 34	3/4"	6,8		1	15
2272 1	1"	7,5		1	15

ART. 2282 Smart

Code	size	Kv [m³/h]	€	box	pack
2282 34	3/4"	6,8		1	6
2282 1	1"	7,5		1	6

SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" upper part with plug
- **3/4" shut-off ball valves**
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic insert**
- **Patented**

See pages. 46-47

SKUDOFAR line

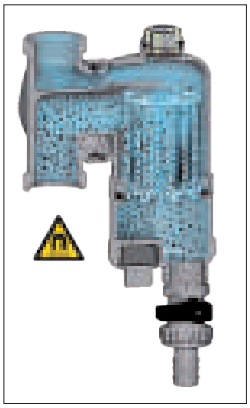


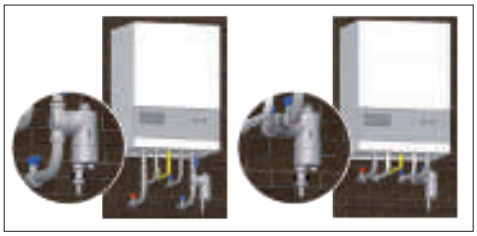
ART. 2271 Smart

Code	size	Kv [m³/h]	€	box	pack
2271 34	3/4"	6,8		1	15

SMART DIRT SEPARATOR

The SMART dirt separator, installed in cooling and heating systems, is designed to filter out any impurities in the water supply, thus improving heat exchange and ensuring good thermal fluid circulation.
The dirt separator features a special compact shape that makes it smaller than most dirt separators on the market, facilitating installation under boilers in domestic systems.
The magnet inserted in the lower section of the dirt separator makes it ideal for systems with a high concentration of ferrous particles, deposits or debris caused by corrosion.

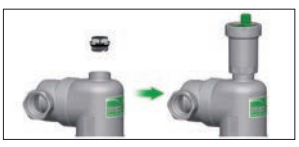




The dirt separator should be placed on the return line before the boiler, in such a way as to catch all the impurities that might damage the boiler and pumps. It is recommended that the dirt separator is installed between two isolating valves for maintenance.

The SMART swiveling dirt separator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate through 360° around its own axis.







1 COMPACTFAR - ULTRA COMPACT DIRT SEPARATORS

COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: F-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Connections: 3/4" F-F**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**



ART. 2273 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2273 34	3/4"	6,35		1	24

COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: M-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Connection: 3/4" F-F**
- **3/4" Shut-off ball valve**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**

See pages 46-47

SKUDOFAR line



ART. 2274 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2274 34	3/4"	6,35		1	24

COMPACTFAR – Ultra compact dirt separator **with angled connections** for heating systems complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: WHITE/CHROME-PLATED
- Pipe connections: F-F
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Connections: 3/4" F-F**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**
- **Registered Community Design**



ART. 2275 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2275 34	3/4"	6,35		1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: 3/4" M-M with flat face / Eurokonus insert
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
  - copper pipe 100 mm long
  - 3/4" nut
  - EPDM washer for flat face
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2278 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2278 34	3/4"	5,86		1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: CHROME-PLATED
- Pipe connections: 3/4" M-M with flat face / Eurokonus insert
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
  - copper pipe 100 mm long
  - 3/4" nut
  - EPDM washer for flat face
- **3/4" Shut-off ball valve**
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2277 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2277 34	3/4"	5,86		1	24

COMPACTFAR - Ultra compact dirt separator **with straight connections** for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Finishing: WHITE-CHROME
- Pipe connections: 3/4" M-M with flat face / Eurokonus insert
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110° C
- **Nr. 2 sealing compression kit for copper pipe Ø 18 mm for 3/4" Eurokonus connection**
- **Ø 18 mm connection kit**
  - copper pipe 100 mm long
  - 3/4" nut
  - Flat faced gasket in EPDM
- **Removable cartridge**
- **Removable magnetic insert**
- **Patented**



ART. 2279 compactFAR

Code	size	Kv [m³/h]	€	box	pack
2279 34	3/4"	5,86		1	24

OPERATION AND INSTALLATION EXAMPLES

The COMPACTFAR dirt separator is designed to filter the water in heating systems to remove impurities which could cause damage or boiler malfunction.

TECHNICAL FEATURES	
Body: CB753S brass	Nominal pressure: 10 bar
Drain cock: CW617N brass	Cartridge: PA6
Max. working temperature: 110°C	O-ring: EPDM
	Max. fluid speed: 1.4 m/s

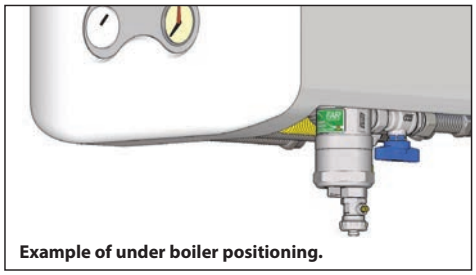
WARNING: due to the use of magnetic components, we advise pacemaker wearers to distance themselves during working and maintenance. Please also avoid use of electronic equipment near the magnets in order to avoid any malfunctioning.

INSTALLATION

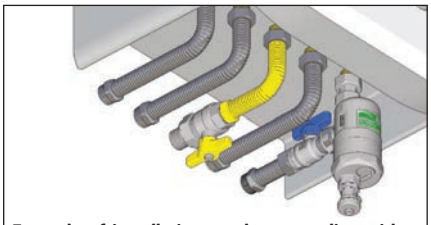
The dirt separator should be placed on the return line before the boiler, in order to catch all the impurities that might damage the boiler and the pumps.

⚠ Warning! The dirt separator must always be installed in a vertical position for correct operation.

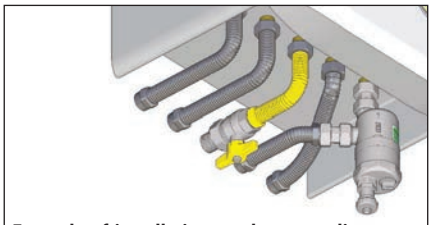
COMPACTFAR with angled connection



Example of under boiler positioning.

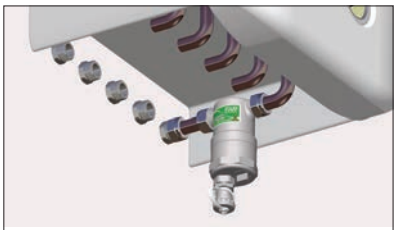


Example of installation on the return line with a shut-off ball valve.



Example of installation on the return line with exchanged connections.

COMPACTFAR with straight line connections



Example of under boiler positioning.





The dirt separator connection can be changed from flat face to 3/4" Eurokonus, by keeping or removing the white reinforced polyamide adapters fitted on the connections.

The dirt separator can be connected to the wall in case of a 3/4" Male flat face connection (A) or in case of a Eurokonus connection. (B)



A - 3/4" Flat face wall connection



B - 3/4" Eurokonus wall connection

Chrome-plated eccentric connection with swiveling nuts.
- Connections: 3/4" Female-Female



ART. 5565

Code	centre l.	size	€	box
5565 234	cm. 2	3/4"x3/4"		1

Chrome-plated adapter kit for copper pipe.
- Connections: 3/4" x 18



ART. 5807

Code	size	€	box
5807 34G18	3/4" - Ø18		1

Chrome-plated connection fitting with swiveling nut.
- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8323

Code	F nut	M conn.	€	box
8323 34	3/4"	3/4"		1

Chrome-plated F-F shut-off ball valve with swiveling nuts.
- CW617N forged brass ball body
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16 bar
- Connections: Female-Female



ART. 3037C

Code	Ø nuts	handle	€	box	pack
3037 12BC	3/4"	blue		5	50

Chrome-plated F-F shut-off ball valve with swiveling nut.
- CW617N forged brass ball body
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16 bar
- Connections: Female-Female



ART. 3047C

Code	size	Ø nut	handle	€	box	pack
3047 12BC	1/2"	3/4"	blue		5	50
3047 3434BC	3/4"	3/4"	blue		5	50

Chrome-plated connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Female-Female
- Flat faced gasket in EPDM



ART. 5304

Code	size	€	box
5304 3434	3/4"		25

Chrome-plated connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Male-Female
- Flat faced gasket in EPDM



ART. 5254

Code	size	€	box
5254 3434	3/4"		25

Chrome-plated extensible connection.
- Body made of brass CW614N
- Swiveling nuts made of brass CW617N
- Double O-ring and EPDM sealing gaskets



ART. 8882

Code	extension	size	€	box	pack
8882 1534	35-50 mm	3/4"		5	-

Chrome-plated angled shut-off ball valve complete with double swiveling nuts.
- CW617N forged brass ball body
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

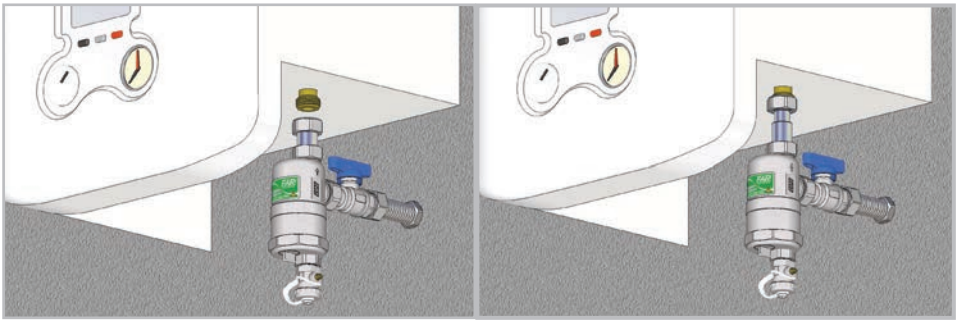


ART. 3099C

Code	size	Ø nut	handle	€	box	pack
3099 34BC	3/4"	3/4"	blue		5	50

OPERATION AND INSTALLATION EXAMPLES

In the pictures here below you can see an example of the COMPACTFAR dirt separator installation, using the extensible connection art.8882 1534.



Installation overview of art.5304 on COMPACTFAR dirt separator, placed under boiler.



1 POCKETFAR - DIRT SEPARATOR FILTER

POCKETFAR - Chrome-plated dirt separator filter for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Socket made of PA12
- Filtering cartridge made of AISI304 steel, 700 µm filtration rating
- 3/4" male-female connections
- 1 cm swiveling joint for the connection to the boiler
- Removable magnetic insert made of neodymium
- Opening/closing handle for extraordinary maintenance





COMPLETE WITH INSULATION

ART. 2280 POCKETFAR

Code	size	Kv [m³/h]	€	box	pack
2280 34	3/4"	3,4		1	20

ART. 2281 POCKETFAR

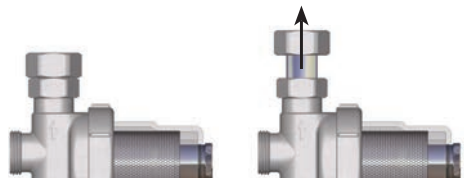
Code	size	Kv [m³/h]	€	box	pack
2281 34	3/4"	3,4		1	12

OPERATION AND INSTALLATION EXAMPLES

The POCKETFAR magnetic dirt separator filter catches all the impurities and the iron particles that deposit inside the heating system over the time, thus safeguarding the life of the boiler.

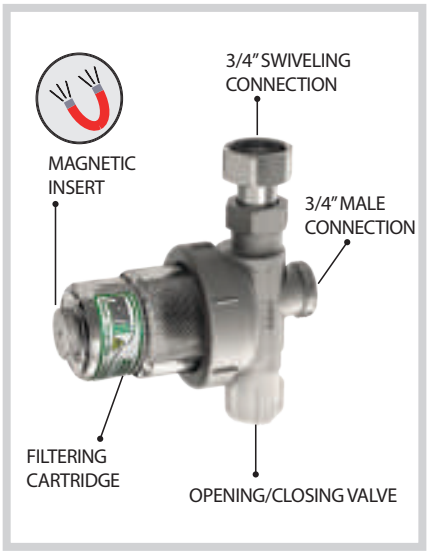
INSTALLATION

POCKETFAR should be placed on the return line before the boiler, in order to catch all the impurities that might damage the boiler and the pump.



POCKETFAR is equipped with an extensible joint (1cm extension) that makes installation easier





TECHNICAL FEATURES

Body material: CB753S brass	Max working temperature: 85°C	Boiler side connection: 3/4" swiveling nut
White handle: ABS	Filtration rating: 700 µm	System side connection: 3/4" male eurokonus, with flat faced insert
Filtering cartridge: AISI304	Max working pressure: 4 bar	
O-Ring: EPDM		

Dirt separator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COPPER PIPE CONNECTION — ATTACCO TUBO RAME



COMPLETE WITH INSULATION

ART. 2203

Code	size	Kv [m³/h]	€	box	pack
2203 3422	Ø22	11,1		1	6
2203 128	Ø28	19,1		1	6

ART. 2204

Code	size	Kv [m³/h]	€	box	pack
2204 3422	Ø22	11,1		1	6
2204 128	Ø28	19,1		1	6

Dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**





COPPER PIPE CONNECTION — ATTACCO TUBO RAME



COMPLETE WITH INSULATION

ART. 2214

Code	size	Kv [m³/h]	€	box	pack
2214 3422	Ø22	11,1		1	6
2214 128	Ø28	19,1		1	6

ART. 2215

Code	size	Kv [m³/h]	€	box	pack
2215 3422	Ø22	11,1		1	6
2215 128	Ø28	19,1		1	6

Swiveling dirt separator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



COPPER PIPE CONNECTION — ATTACCO TUBO RAME



COMPLETE WITH INSULATION

ART. 2210

Code	size	Kv [m³/h]	€	box	pack
2210 3422	Ø22	8,7		1	6
2210 128	Ø28	10,7		1	6

ART. 2211

Code	size	Kv [m³/h]	€	box	pack
2211 3422	Ø22	8,7		1	6
2211 128	Ø28	10,7		1	6

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- **Removable magnetic inserts**
- **Patented**





COPPER PIPE CONNECTION — ATTACCO TUBO RAME



COMPLETE WITH INSULATION

ART. 2216

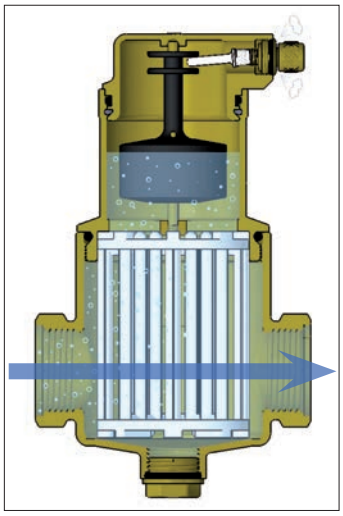
Code	size	Kv [m³/h]	€	box	pack
2216 3422	Ø22	8,7		1	6
2216 128	Ø28	10,7		1	6

ART. 2217

Code	size	Kv [m³/h]	€	box	pack
2217 3422	Ø22	8,7		1	6
2217 128	Ø28	10,7		1	6

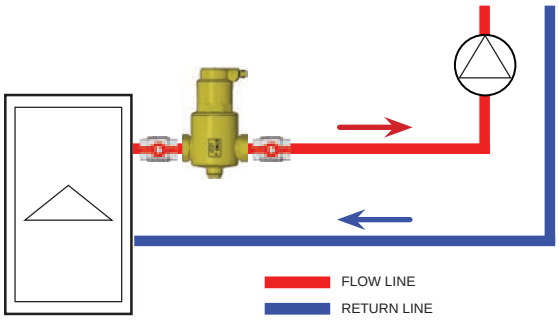
DEAERATORS

The FAR deaerator is installed in cooling and heating systems to remove air bubbles from the circulating water.
Air inside the system can cause corrosion in the interior of the pipe and damage to installed components (such as pumps), leading to malfunctions, loss of heat exchange efficiency and noise in the system.
The structure of the filter cartridge slows the air bubbles and causes a decrease in their kinetic energy so that the air rises to the top. To further divert the flow, vertical bars on the cartridge have wings that help to drive air bubbles upwards.

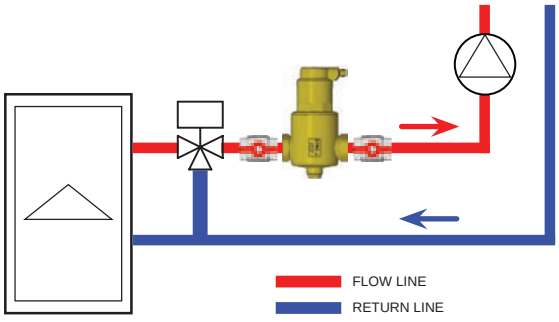


The ideal deaerator position in the heating system is on the supply pipe just after the boiler, where the flow temperature is high.
This is because, as the water is heated in the boiler there is a possibility of bubbles being formed, causing damage to components or malfunctioning. It is recommended that the deaerator is installed between two shut-off valves to allow maintenance.

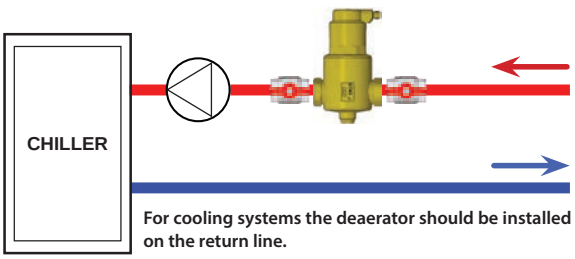
CORRECT INSTALLATION IN TRADITIONAL SYSTEMS



CORRECT INSTALLATION IN SYSTEMS WITH MIXING VALVES

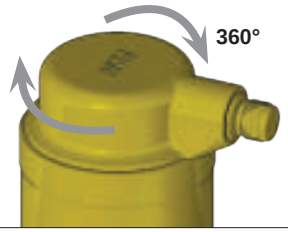


CORRECT INSTALLATION IN COOLING SYSTEMS



For cooling systems the deaerator should be installed on the return line.

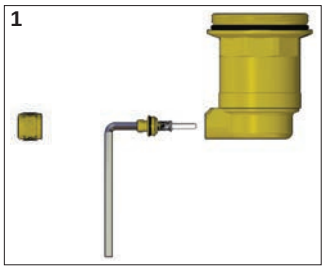
It is possible to rotate the air vent valve through 360° to position the drain appropriately, without needing to shut down the system.

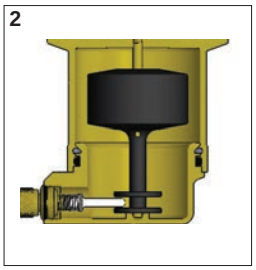




The swiveling deaerator can be installed on the pipeline in either vertical or horizontal position, as the part with threaded connections can rotate 360° arounds its own axis.

In the event of leakage from the air vent valve it is necessary to clean or replace it as follows. Remove the cap and use a 4 mm Allen wrench to unscrew the air vent valve. Then proceed with cleaning or replacement (picture 1). For correct insertion of the stem on the float, turn upside down the cap and screw the air-vent valve (picture 2).





Deaerator for heating systems.
- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2250

Code	size	Kv [m³/h]	€	box	pack
2250 34	3/4"	13,2		1	6
2250 1	1"	17,9		1	6
2250 114	1"1/4	32,4		1	6
2250 112	1"1/2	40,6		1	6
2250 2	2"	73,1		1	6

ART. 2251

Code	size	Kv [m³/h]	€	box	pack
2251 34	3/4"	13,2		1	6
2251 1	1"	17,9		1	6
2251 114	1"1/4	32,4		1	6
2251 112	1"1/2	40,6		1	6
2251 2	2"	73,1		1	6

Swiveling deaerator for heating systems.
- Body made of CB753S brass
- Connection to pipelines: F-F
- 1/2" bottom connection with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2253

Code	size	Kv [m³/h]	€	box	pack
2253 34	3/4"	10,2		1	6
2253 1	1"	12		1	6
2253 114	1"1/4	13,9		1	6
2253 112	1"1/2	24,3		1	-
2253 2	2"	25		1	-

ART. 2263

Code	size	Kv [m³/h]	€	box	pack
2263 34	3/4"	10,2		1	6
2263 1	1"	12		1	6
2263 114	1"1/4	13,9		1	6
2263 112	1"1/2	24,3		1	-
2263 2	2"	25		1	-

DISMART - Swiveling deaerator for heating systems.
- Body made of CB753S brass
- Connection to pipelines: F-F
- 1/2" bottom connection with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2254

Code	size	Kv [m³/h]	€	box	pack
2254 34	3/4"	6,8		1	15
2254 1	1"	7,5		1	15

See pages 46-47
SKUDOFAR line

ART. 2264

Code	size	Kv [m³/h]	€	box	pack
2264 34	3/4"	6,8		1	-
2264 1	1"	7,5		1	-

Deaerator for heating systems with flanged connections.
- Painted steel body
- Flanged connections: UNI EN 1092-1
- 1/2" bottom connection with plug
- 1" additional top connection with plug
- Swiveling air vent valve with shut-off valve
- Manual air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 100°C
- Supplied with PE pre-formed anti-condensation insulation

*** Available upon request**



ART. 2258

	Code	size	€	box	pack
	2258 50	DN50		1	1
	2258 65	DN65		1	1
	2258 80	DN80		1	1
	2258 100	DN100		1	1
*	2258 125	DN125		1	1
*	2258 150	DN150		1	1

Deaerator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2255

Code	size	Kv [m³/h]	€	box	pack
2255 3422	Ø22	11,1		1	6
2255 128	Ø28	19,1		1	6

ART. 2256

Code	size	Kv [m³/h]	€	box	pack
2256 3422	Ø22	11,1		1	6
2256 128	Ø28	19,1		1	6

Swiveling deaerator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**





COMPLETE WITH INSULATION

ART. 2257

Code	size	Kv [m³/h]	€	box	pack
2257 3422	Ø22	8,7		1	6
2257 128	Ø28	10,7		1	6

ART. 2267

Code	size	Kv [m³/h]	€	box	pack
2267 3422	Ø22	8,7		1	6
2267 128	Ø28	10,7		1	6

DISMART - Swiveling deaerator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Patented**



DiSmart

ART. 2259

Code	size	Kv [m³/h]	€	box	pack
2259 3422	Ø22	6,3		1	15
2259 128	Ø28	7,5		1	15

Deaerator for heat pumps.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Extra connection for safety valve: 1/2"
- High discharge performance
- **Patent Pending**





COMPLETE WITH INSULATION

ART. 2291 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2291 114	1"1/4	35		1	6

ART. 2296 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2296 114	1"1/4	35		1	6

Deaerator for heat pumps.

- Body made of CB753S brass
- Connections to pipelines: M-M
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Extra connection for safety valve: 1/2"
- High discharge performance
- **Patent Pending**





COMPLETE WITH INSULATION

ART. 2292 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2292 112	1"1/2	35		1	6

ART. 2297 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2297 112	1"1/2	35		1	6

COMBIFAR - Dirt separator and deaerator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**



ART. 2220

Code	size	Kv [m³/h]	€	box	pack
2220 34	3/4"	13,2		1	5
2220 1	1"	17,9		1	5

COMBIFAR - Dirt separator and deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. draining pressure: 10 bar
- Max. working temperature:110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2225

Code	size	Kv [m³/h]	€	box	pack
2225 34	3/4"	13,2		1	5
2225 1	1"	17,9		1	5

COMBIFAR - Swiveling dirt separator and deaerator for heating systems.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**



ART. 2229

Code	size	Kv [m³/h]	€	box	pack
2229 34	3/4"	10		1	5
2229 1	1"	10,7		1	5
2229 114	1"1/4	13,4		1	5

COMBIFAR - Dirt separator and deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature:110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2231

Code	size	Kv [m³/h]	€	box	pack
2231 34	3/4"	10		1	5
2231 1	1"	10,7		1	5
2231 114	1"1/4	13,4		1	5

COMBIFAR - Dirt separator and deaerator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**



ART. 2222

Code	size	Kv [m³/h]	€	box	pack
2222 3422	Ø22	11,1		1	5
2222 128	Ø28	19,1		1	5

COMBIFAR - Dirt separator and deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- ***Copper pipe connections***
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2227

Code	size	Kv [m³/h]	€	box	pack
2227 3422	Ø22	11,1		1	5
2227 128	Ø28	19,1		1	5

COMBIFAR - Swiveling dirt separator and deaerator for heating systems.

- Body made of CB753S brass
- ***Copper pipe connections***
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Patented**



ART. 2233

Code	size	Kv [m³/h]	€	box	pack
2233 3422	Ø22	8,7		1	5
2233 128	Ø28	11,5		1	5

COMBIFAR - Dirt separator and deaerator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- ***Copper pipe connections***
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Swiveling air vent valve
- Drain cock for dirt removal
- **Removable magnetic inserts**
- **Patented**



ART. 2235

Code	size	Kv [m³/h]	€	box	pack
2235 3422	Ø22	8,7		1	5
2235 128	Ø28	11,5		1	5

1 ACID CONDENSATE NEUTRALIZER

Acid condensate neutralizer for condensing boilers complete with:
- n° 1 elbow with 3/4" nut and hose union connection
- n° 1 straight fitting with 3/4" nut and hose union connection
- n° 1 granular recharge
- n° 1 support for wall fixing

See pages 46-47

SKUDOFAR line



ART. 2400 NeutralFAR

Code	Ø pipe	€	box	pack
2400 3416	16		1	16
2400 3420	20		1	16

Fittings for acid condensate neutralizer.



ART. 2401

Code	Ø pipe	€	box	pack
2401 3416	16		1	-
2401 3420	20		1	-

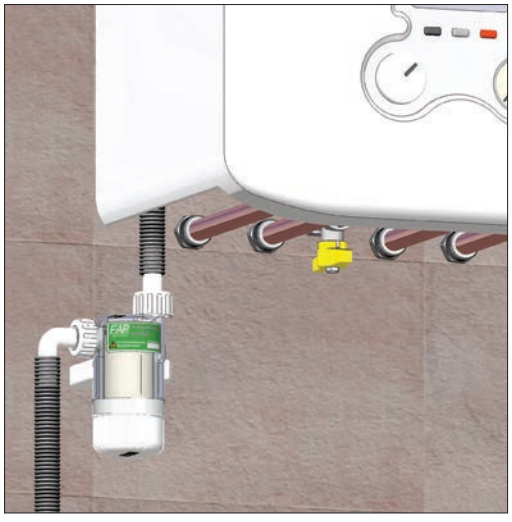
Granular recharge for acid condensate neutralizer.
- Pack of 150 g
- Calcium carbonate with additives



ART. 9454

Code	€	box
9454 150		1

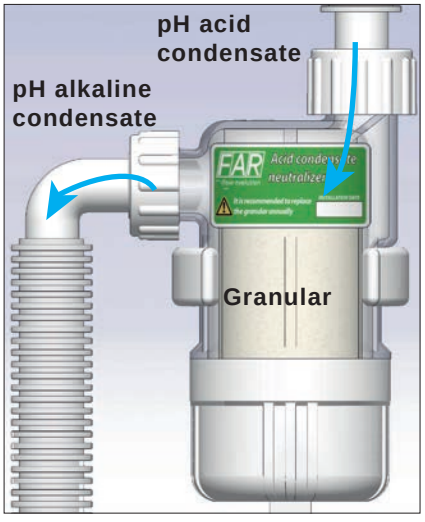
OPERATION AND INSTALLATION EXAMPLES



The acid condensate neutralizer is a device that, when installed on the drain pipe of condensing boiler, regulates the water pH making it alkaline.

This allows to preserve the pipes and the drain gutters that over time would be corroded by the acidity of the condensate.

It is recommended to replace annually the granular which corrects the pH to guarantee always effective protection.



POLYFAR - Proportional polyphosphate doser useful for protecting the domestic system from limescale and encrustations, complete with:

- Filter made of AISI304, 100 µm filtration rating
- Shut-off ball valve
- Polyphosphate refill
- Fitting with non-return valve

- Chrome-plated body made of CW617N brass
- Chrome-plated fitting made of CW617N brass
- Nut: PA 66 G 30
- Socket: GRILAMID® TR
- Sealing gaskets: peroxide EPDM
- Connections: 1/2"F
- Fitting with swiveling nut: 1/2" male x 1/2" female
- Plug: 1/2" male
- Compatible media: water
- Maximum working pressure: 8 bar
- Differential pressure: ΔP 0.29Bar
- Room temperature: 5 ÷ 40 °C
- Working temperature: 5 ÷ 30 °C
- Treated water for refill: 35 - 40 m3*

* Data refer to water with medium hardness of 12°f, pH7, temperature 20 ° C and average domestic hot water usage.

NB Use only original FAR cartridges (Art. 9452)

See pages 46-47

SKUDOFAR line



ART. 2410 PolyFAR

Code	size	Kv [m³/h]	€	box	pack
2410 12	1/2"	1,5		1	-

Anti-condensate protection shell made of expanded polyethylene for polyphosphate doser (ART. 2410).



ART. 2411

Code	€	box	pack
2411 12CT		1	-

Replacement polyphosphate cartridges, pack of 2.



ART. 9452

Code	€	box
9452		1

OPERATION AND INSTALLATION EXAMPLES





PolyFAR doser must be installed on the cold water pipeline upline of the domestic hot water supply system, to protect boilers, water heaters, washing machines and dishwashers. Thanks to the filter with steel mesh of 100 µm integrated in the cartridge, it is not necessary to install any additional safety filter to protect the hot water production system (as indicated in the UNI 8065 standard).
PolyFAR can be installed on both L-shaped and straight pipelines thanks to the special three-connection fitting.





Thanks to the fitting with non-return valve and to the the built-in ball valve, PolyFAR can be quickly isolated from the circuit to carry out the maintenance or the replacement polyphosphate cartridge.

SKUDO1 - Liquid inhibitor for heating and cooling systems.
- Contents of the package: 1L - 25L
- Dose: 1 liter of products every 100 litres of water in the system



ART. 9455

Code	capacity	€	box
9455 1	1L		6
9455 25	25L		1

SKUDO3 - Liquid cleaner for heating and cooling systems.
- Contents of the package: 1L - 25L
- Dose: 1 liter of products every 100 litres of water in the system



ART. 9456

Code	capacity	€	box
9456 1	1L		6
9456 25	25L		1

SKUDO7- Liquid biocide for heating and cooling systems.
- Contents of the package: 1L - 25L
- Dose: 1 liter of products every 100 litres of water in the system



ART. 9457

Code	capacity	€	box
9457 1	1L		6
9457 25	25L		1

SKUDOMONO - Single-dose additive for heating and cooling systems.
- Contents of the package: 60gr
- Dose: 60gr of products every 200 litres of water in the system



ART. 9459

Code	€	box
9459 06		1

COMPACT KIT for the protection of your system.
Contents of the package:
- 3/4" COMPACTFAR dirt separator complete with shut-off ball valve
- SKUDOMONO single-dose additive



ART. 2274SL

Code	size	Kv [m³/h]	€	box	pack
2274 34SL	3/4"	6,35		1	24

SMART KIT for the protection of your system.
Contents of the package:
- SMART dirt separator complete with shut-off ball valves
- SKUDO3 liquid cleaner
- SKUDO1 liquid inhibitor



ART. 2271SL

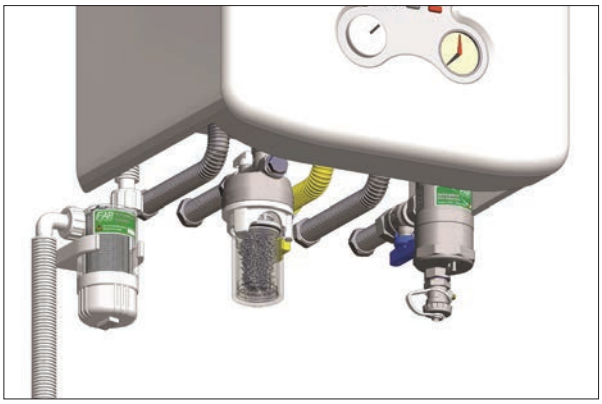
Code	size	Kv [m³/h]	€	box	pack
2271 34SL	3/4"	6,8		1	15

SKUDOFAR line

The SKUDOFAR product line protects the system, ensuring the correct operation of all installed components.
By installing SKUDOFAR products you get advantages, such as:

- Consumption reduction
- Improved efficiency
- Noise reduction
- Long life of components
- Good treatment of incoming water and condensation

These products have been designed and manufactured following the right installation rules and the current standards.



Installation example of the acid condensate neutralizer, the PolyFAR dosing filter and the CompactFAR dirt separator under a domestic boiler.



Acid condensate neutralizer

Useful to treat the acid condensate produced by condensing boilers before directing it into the drain system. By neutralizing the condensation, the problem of corrosion on gutters, channels or drainage pipes is avoided.

PolyFAR polyphosphate doser

Current regulations require the installation, at the entrance of the sanitary system, of a filter and a device that acts on the hardness of the water, reducing it, in order to eliminate limescale. PolyFAR is a device that combines two needs: it reduces the hardness of the water thanks to polyphosphates and stops impurities through a built-in filter cartridge.





FAR deaerators

The removal of air bubbles in the heating and cooling circuits allows to reduce consumption, noise and preserve the integrity of the system components. The Standards in force provide the installation of special devices that allow the air to be separated and automatically discharged outside. FAR deaerators, installed near the heat generator, remove the air bubbles in the system thanks to the patented cartridge and the efficient swiveling discharge system.

FAR dirt separator with magnetic insert

Magnetic dirt separators are essential components to ensure the efficiency of the heating and cooling systems and FAR offers a wide range. All models have a high separation efficiency of suspended particles thanks to the patented cartridge and to the combination of the magnetic and gravitational effect, preserving the integrity of all installed components.





SKUDOFAR chemical additives

According to the current Standard, FAR offers a range of chemical additives for the water treatment for new and existing heating and cooling systems.

SKUDO1 Liquid inhibitor	protection against corrosion, encrustations, limestone, hydrogen formation and microbial growth.
SKUDO3 Liquid cleaner	removal of sludge, encrustations and debris restoring the correct operation of the system.
SKUDO7 Liquid biocide	control and removal of microbial, bacterial and algae growth.
SKUDOMONO Single-dose additive	protection against corrosion and algae growth.

Chrome-plated automatic filling unit for closed circuit systems.
Equipped with a pad printed knob to set the pressure, non-return valve, stop cock and strainer on the inlet.

- Inlet connection (unit): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar



WITH PRESSURE GAUGE CONNECTION

ART. 2105

Code	size	€	box	pack
2105 12	1/2"		1	20



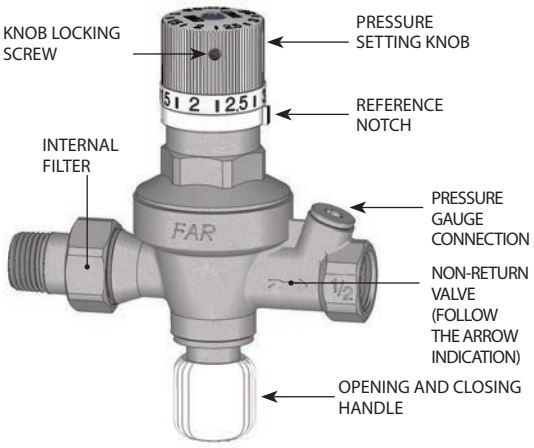
WITH PRESSURE GAUGE

ART. 2106

Code	size	€	box	pack
2106 12	1/2"		1	20

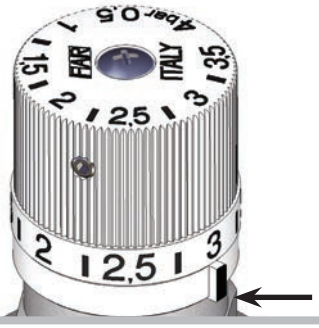
OPERATION AND INSTALLATION EXAMPLES

The automatic filling unit is able to automatically fill the heating system up to the pre-set pressure. It is also useful in compensating for any pressure drops resulting from the discharge of air from the circuit through the air vent valves. The filling unit is normally installed on the feed line between two shut off valves, so that it can be removed without draining the whole system. It is advisable to install the filling unit with a bypass, in order to reduce the filling time. In this way it is possible to fill 2/3 of the system with the bypass and the rest with the filling unit in order to facilitate the eventual bleeding of air from the system.



PRESSURE SETTING KNOB

The pressure values are pad printed on the knob. To set the pressure please use the reference notch indicated by the arrow.



Once the system is full and the pressure is set, please close the opening and closing handle. In case the working pressure drops, please open the handle again and the system will get automatically back to the initially set pressure.

Chrome-plated automatic filling unit without pressure gauge for closed circuit systems. Complete with non-return valve, stop cock and strainer.

- Inlet connection (union): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar



ART. 2100

Code	size	€	box	pack
2100	1/2"		1	20

Chrome-plated automatic filling unit with pressure gauge for closed circuit systems. Complete with non-return valve, stop cock and strainer.

- Inlet connection (union): 1/2" male
- Outlet connection: 1/2" female
- Pressure gauge connection: 1/4" female
- Max. working temperature: 95°C
- Minimum working temperature: 5°C
- Max. upstream pressure: 10 bar
- Set pressure: 0,5÷4 bar
- Pressure gauge scale: 0÷6 bar



ART. 2110

Code	size	€	box	pack
2110	1/2"		1	20

TERMOFAR - Chrome-plated thermostatic mixer.
- Setting range: 30÷65°C
- Connections: female
- Max. input temperature: 95°C
- TEA®PLUS internal and external surface treatment



ART. 3950

Code	size	€	box	pack
3950 12	1/2"		1	60
3950 34	3/4"		1	60
3950 1	1"		1	60

TERMOFAR - Chrome-plated thermostatic mixer.
- Setting range: 30÷65°C
- Connections: male, complete with unions and gaskets
- Max. input temperature: 95°C
- TEA®PLUS internal and external surface treatment



ART. 3956

Code	size	€	box	pack
3956 12	1/2"		1	50
3956 34	3/4"		1	20
3956 1	1"		1	20
3956 114	1"1/4		1	18
3956 112	1"1/2		1	10

TERMOFAR - Chrome-plated thermostatic mixer.
- Setting range: 30÷65°C
- **Non-return valve on side connections**
- Male connections: complete with unions and gaskets
- Max. input temperature: 95°C
- TEA®PLUS internal and external surface treatment



ART. 3956VR

Code	size	€	box	pack
3956 12VR	1/2"		1	50
3956 34VR	3/4"		1	20
3956 1VR	1"		1	20

TERMOFAR - Chrome-plated thermostatic mixer.
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 95°C
- TEA®PLUS internal and external surface treatment



ART. 3957

Code	size	€	box	pack
3957 34	3/4"		1	60
3957 1	1"		1	60

TERMOFAR - Thermostatic mixer for sanitary systems in low lead brass.
- Body in CW511L brass
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 95°C



new

ART. 395G

Code	size	€	box	pack
395G 1	1"		1	60

Angled By-pass differential valve.

- Body made of CW617N brass
- Connections: 3/4" M-F
- Calibration: 0,1 – 0,6 bar
- Protection and regulation cap



ART. 2020

Code	size	€	box	pack
2020 34	3/4"		1	50

Straight By-pass differential valve.

- Body made of CW617N brass
- Connections: 3/4" M-M
- Calibration: 0,1 – 0,6 bar
- Protection and regulation cap



ART. 2021

Code	size	€	box	pack
2021 34	3/4"		1	50

Male-female cock complete with stuffing box and flange for pressure gauge installation.

- Body made of CW617N brass
- Plastic handle

ART. 2560



Code	size	€	box	pack
2560 14	1/4"		10	100
2560 38	3/8"		10	100
2560 12	1/2"		10	100

Male-female swiveling pipe coil for pressure gauge installation.

- Ø 8 copper pipe
- Fittings made of brass
- Sizes: 1/4"-3/8"-1/2"



ART. 2561

Code	size	€	box	pack
2561 14	1/4"		10	100
2561 38	3/8"		10	100
2561 12	1/2"		10	100

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Non-return valves for air vent valve and pressure gauge



ART. 2112

Code	size	€	box	pack
2112	1"		1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Non-return valves for air vent valve and pressure gauge
- Insulation



ART. 2113

Code	size	€	box	pack
2113	1"		1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Interchangeable non-return valves for air vent valve and pressure gauge



ART. 2115

Code	size	€	box	pack
2115	1"		1	10

Air separator unit for boiler, brass version. Complete with:

- Body made of CB753S brass
- 0÷4 bar pressure gauge
- Automatic air vent valve
- 3 bar safety valve, conformed to PED standard
- Main connection: 1" female
- Interchangeable non-return valves for air vent valve and pressure gauge
- Insulation



ART. 2116

Code	size	€	box	pack
2116	1"		1	10

Ø 63 mm pressure gauge.
- 1/4" M radial or rear connection
- Protection rating: IP 31
- Accuracy: Cl. 1,6
- Scale: 0÷4 bar
- Scale: 0÷6 bar
- Scale: 0÷10 bar
- Scale: 0÷25 bar



R= RADIAL	
P= REAR	

ART. 2500

Code	pressure scale	size	€	box	pack
2500 R04	0÷4 bar	1/4"		1	100
2500 R06	0÷6 bar	1/4"		1	100
2500 R10	0÷10 bar	1/4"		1	100
2500 R25	0÷25 bar	1/4"		1	100
2500 P04	0÷4 bar	1/4"		1	100
2500 P06	0÷6 bar	1/4"		1	100
2500 P10	0÷10 bar	1/4"		1	100

Ø 80 mm thermo-manometer.
- 1/4" central rear connection in brass
- Non-return valve: 1/4" female x 1/2" male
- Protection rating: IP 31
- Accuracy: Cl. 1,6
- Temperature scale: 0÷120°C
- Pressure scale: 0÷4 bar
- Pressure scale: 0÷10 bar



ART. 2550

Code	temperature scale	pressure scale	€	box	pack
2550 P04	0÷120 °C	0-4 bar		1	50
2550 P10	0÷120 °C	0-10 bar		1	50

Ø 50 mm pressure gauge.
- 1/4" M radial connection
- Protection rating: IP 31
- Accuracy: Cl. 1,6
- Scale: 0÷6 bar
- Scale: 0÷10 bar
- Scale: 0÷25 bar



ART. 2501

Code	pressure scale	size	€	box	pack
2501 R06	0÷6 bar	1/4"		1	100
2501 R10	0÷10 bar	1/4"		1	100
2501 R25	0÷25 bar	1/4"		1	100

Ø 80 mm bimetallic temperature gauge.
- 1/2" male connection seat
- Temperature scale: 0÷120°C
- 50 mm -100 mm sheath



ART. 2600

Code	temperature scale	sheath	size	€	box	pack
2600	0÷120 °C	50mm	1/2"		1	50
2600 100	0÷120 °C	100mm	1/2"		1	50

Ø 63 mm bimetallic temperature gauge.
- 3/8" male connection seat
- Temperature scale: -30÷50° C
- 27 mm sheath



ART. 2601

Code	temperature scale	size	€	box	pack
2601	-30÷50 °C	3/8"		1	50

Ø 40 mm bimetallic temperature gauge.
- 3/8" male connection seat
- Temperature scale: 0÷120°C
- 36 mm sheath



ART. 2650

Code	temperature scale	size	€	box	pack
2650	0÷120 °C	3/8"		1	240

Ø 40 mm bimetallic temperature gauge.
- 3/8" male connection seat
- Temperature scale: 0÷80° C
- 36 mm sheath



ART. 2651

Code	temperature scale	size	€	box	pack
2651	0÷80 °C	3/8"		1	240

Liquid crystal adhesive thermometer.
- Temperature scale: 10÷40°C



ART. 2654

Code	temperature scale	€	box
2654 1040	10÷40 °C		1

Assembled manifold for the control and the safety of central heating systems with thermal power higher than 35Kw.

- Manifold body: painted steel
- Max. working temperature: 110°C
- Max. upstream pressure: 10 bar
- **Main connections: 1"1/4 – 1"1/2 – 2", with fitting**

Components features:

- Designed for installation of safety valve: 1x3/4" – 1x1" – 2x1"
- Pressure safety switch
- Low limit pressure safety switch
- Safety thermostat with manual reset
- Temperature gauge
- Seat for fuel shut-off valve
- Control seat
- 3-way temperature gauge holder valve
- Swiveling pipe coil for pressure gauge installation



ART. 2118

Code	size	€	box	pack
2118 114	1"1/4		1	1
2118 112	1"1/2		1	1
2118 2	2"		1	1

Assembled manifold for the control and the safety of central heating systems with thermal power higher than 35Kw.

- Manifold body: painted steel
- Max. working temperature: 110°C
- Max. upstream pressure: 10 bar
- **Main connections: DN50-DN65-DN80 (flanges PN16 – UNI EN ISO 1092-1)**

Components features:

- Designed for installation of safety valve: 1x3/4" – 1x1" – 2x1"
- Pressure safety switch
- Low limit pressure safety switch
- Safety thermostat with manual reset
- Temperature gauge
- Seat for fuel shut-off valve
- Control seat
- 3-way temperature gauge holder valve
- Swiveling pipe coil for pressure gauge installation



ART. 2118

Code	size	€	box	pack
2118 50	DN50		1	1
2118 65	DN65		1	1
2118 80	DN80		1	1

Assembled manifold with wall connection and accessories.

- Manifold body: painted steel
- Max. working temperature: 110°C
- Max. upstream pressure: 10 bar

Components features:

- Connection to the system: ¾" female
- Connection to the expansion tank: ¾" female with swiveling nut
- Pressure gauge: 0÷4 - 0÷10 bar
- Safety valve: 3 - 6 bar
- Automatic air vent valve complete with non-return valve



ART. 2119

Code	size	bar	€	box	pack
2119 0304	3/4"	3		1	1
2119 0610	3/4"	6		1	1

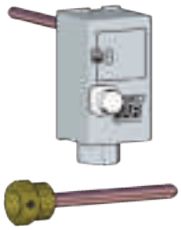
Immersion regulation thermostat.
- Temperature range: 10÷90°C
- Protection rating: IP40
- Sheath: 1/2" (l=100mm)



ART. 7956

Code	€	box	pack
7956		1	-

Immersion safety thermostat.
- With manual reset
- Locking temperature: 100°C (+0°C -6°C)
- Protection rating: IP40
- Sheath: 1/2" (l=100mm)



ART. 7954

Code	€	box	pack
7954		1	-

Double immersion safety and regulation thermostat.
- Temperature range: 10÷90°C
- Locking temperature: 100°C (+0°C -6°C)
- With manual reset
- Protection rating: IP40
- Sheath: 1/2" (l=100mm)



ART. 7952

Code	€	box	pack
7952		1	-

Safety thermostat with contact probe.
- control temperature range: 20÷90°C
- Protection rating: IP40



ART. 7951

Code	€	box	pack
7951		1	-

MAXIMUM pressure safety switch, with manual reset.
- In accordance with PED
- Preset: 3 bar
- Max. media temperature: 110°C
- Max. room temperature: 50°C
- Nominal power: 16A (10A)
- Nominal voltage: 250V
- Protection rating: IP44
- Connection:1/4" Female



ART. 7960

Code	setting range	€	box	pack
7960	2-4,5 bar		1	20

Flow switch.
- For pipeline from 1" to 8"
- Working temperature: -20÷100°C
- Max. pressure: 10bar
- Protection rating: IP65
- Connection: 1" M



ART. 7955

Code	€	box	pack
7955		1	-

MINIMUM pressure safety switch, with manual reset.
- In accordance with PED
- Preset: 0,9 bar
- Max. media temperature: 110°C
- Max. room temperature: 50°C
- Nominal power: 16A (10A)
- Nominal voltage: 250V
- Protection rating: IP44
- Connection:1/4" Female



ART. 7961

Code	setting range	€	box	pack
7961	0,5-1,7 bar		1	20

Pressure switch for BOOSTING SETS.
- Max. media temperature: 110°C
- Max. room temperature: 55°C
- Wiring:Triple-phase and Single-phase
- Nominal power: 16A (10A)
- Nominal voltage: 500V
- Protection rating: IP44
- Connection: 1/4" swiveling female

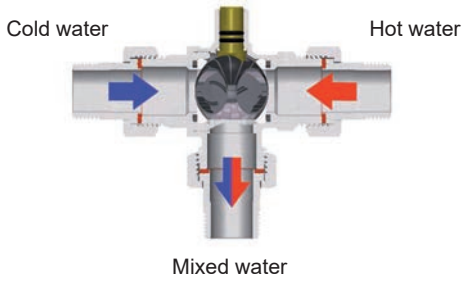


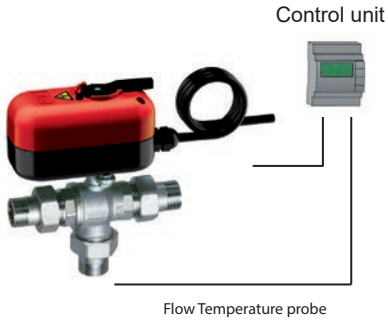
ART. 7962

Code	setting range	€	box	pack
7962 01	1-5 bar		1	20
7962 02	3-12 bar		1	20

1 3-POINT ACTUATOR FOR MIXING VALVE

The 3-way mixing valve is a ball valve with full bore flow.
They are available in M-M, M-F and F-F versions in 1/2", 3/4", 1", 1"1/4 sizes.



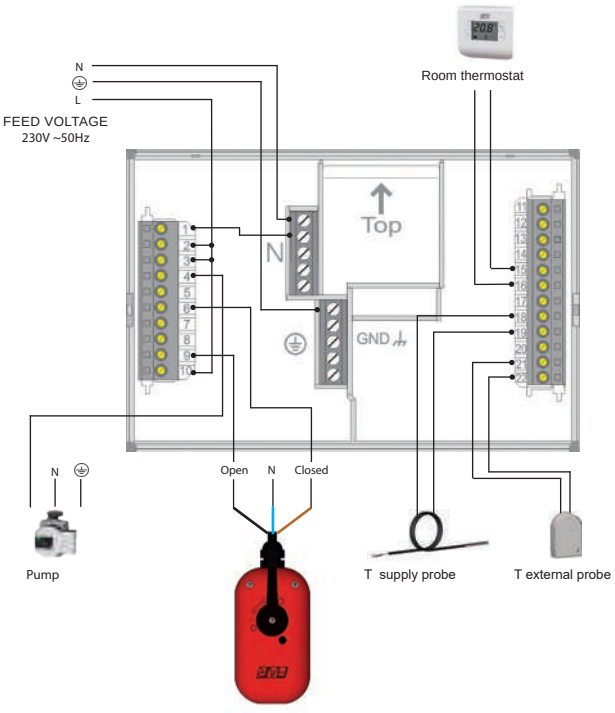


In order to maintain the mixed water at the desired temperature, a control unit - properly connected to an actuator - adjusts the position of the ball via a signal from a temperature probe located at the valve outlet.

When using the modulating mixing valve it is necessary to include the control unit:

- **Temperature control** **Art. 9611 - Complete with control unit, delivery probe and external probe.**

Description and wiring scheme with control unit, art. 9611:
The scheme shows an example of control unit connection, Art.9611 (with supply probe and external probe) with the mixing valve installed with hot water on the left and cold water on the right. In the opposite situation, just reverse the black and brown cable.





ART. 3010 - 3011

Description and wiring scheme

COLOUR	WIRING	DESCRIPTION
BLUE	NEUTRAL	CONNECTION TO THE NEUTRAL
BROWN	PHASE - CLOSE	VALVE CLOSING
BLACK	PHASE - OPEN	VALVE OPENING

Technical features

Actuator type:	3-point
Power supply:	24V - 230V 50Hz
Torque:	10Nm
Rotation angle:	90°
Protection level:	IP54
Rotation time:	180 s

SMALL - 3-point actuator with manual release and auxiliary microswitch for mixing zone control ball valves.

- External connection cable length: 1 m.
- Power supply: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection rating: IP54
- Torque: 10Nm
- Spare parts for booster units art. 2168-2176-2188-216C



SMALL - 3-point actuator with manual release and auxiliary microswitch for mixing zone control ball valves.

- External connection cable length: 1 m.
- Power supply: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection rating: IP54
- Torque: 10Nm

ART. 3010

Code	voltage	opening time	€	box	pack
3010 40	230 V	180 s		1	30

ART. 3011

Code	voltage	opening time	€	box	pack
3011 40	24 V	180 s		1	30

Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and 3-point 230 V actuator.

- Connections: male-male
- Full bore flow





Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and 3-point 24 V actuator.

- Connections: male-male
- Full bore flow

ART. 301020

Code	size	opening time	€	box	pack
301020 1240	1/2"	180 s		1	12
301020 3440	3/4"	180 s		1	12
301020 140	1"	180 s		1	12
301020 11440	1"1/4	180 s		1	12

ART. 301120

Code	size	opening time	€	box	pack
301120 1240	1/2"	180 s		1	12
301120 3440	3/4"	180 s		1	12
301120 140	1"	180 s		1	12
301120 11440	1"1/4	180 s		1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 230 V actuator.

- Connections: female-female
- Full bore flow



Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 24 V actuator.

- Connections: female-female
- Full bore flow

ART. 301021

Code	size	opening time	€	box	pack
301021 1240	1/2"	180 s		1	12
301021 3440	3/4"	180 s		1	12
301021 140	1"	180 s		1	12



ART. 301121

Code	size	opening time	€	box	pack
301121 1240	1/2"	180 s		1	12
301121 3440	3/4"	180 s		1	12
301121 140	1"	180 s		1	12

Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 230 V actuator.

- Connections: male-female
- Full bore flow



Chrome-plated 3-way mixing zone control ball valve equipped with 3-point 24 V actuator.

- Connections: male-female
- Full bore flow

ART. 301022

Code	size	opening time	€	box	pack
301022 1240	1/2"	180 s		1	12
301022 3440	3/4"	180 s		1	12
301022 140	1"	180 s		1	12
301022 11440	1"1/4	180 s		1	12



ART. 301122

Code	size	opening time	€	box	pack
301122 1240	1/2"	180 s		1	12
301122 3440	3/4"	180 s		1	12
301122 140	1"	180 s		1	12
301122 11440	1"1/4	180 s		1	12

1 0-10V MODULATING ACTUATOR FOR MIXING VALVE

SMALL - Electric modulating actuator with manual release for ball mixing valve.

- External connection cable length: 1 m
- Power supply: 24V 50Hz
- Rotation angle: 90°
- Rotation time: 180 seconds
- Protection rating: IP54
- Analog control input: **0-10V** or **4-20mA**
- Torque: 10Nm
- Spare parts for booster units art. 2186-2189



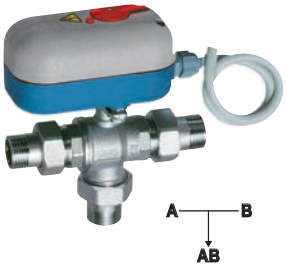
0-10V

ART. 3012

Code	voltage	opening time	analog control input	€	box	pack
3012 180	24 V	180 s	0-10V 4-20mA		1	30

Chrome-plated 3-way mixing zone control ball valve equipped with unions, nuts and **0-10V** electronic modulating actuator, 24 V.

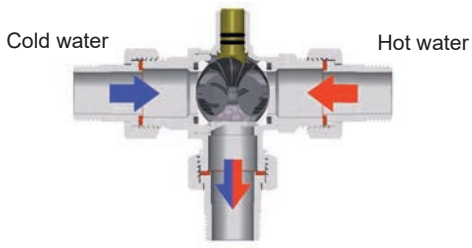
- Connections: male-male
- Full bore flow



0-10V

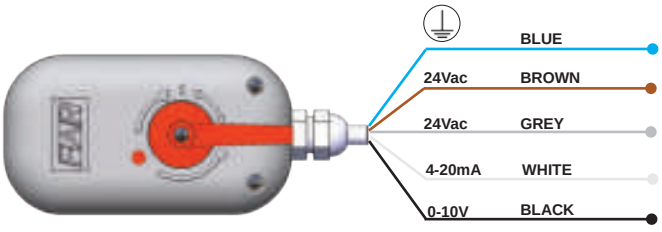
ART. 301220

Code	size	opening time	€	box	pack
301220 12180	1/2"	180 s		1	12
301220 34180	3/4"	180 s		1	12
301220 1180	1"	180 s		1	12
301220 114180	1"1/4	180 s		1	12



The three-way mixing valve is a full bore ball valve.
The valve bodies are available in M-M connections and 1/2 ", 3/4", 1 ", 1" 1/4 sizes.
It is necessary to have the electronic control with output 0-10V, or 4-20mA in order to control the mixing valve. When suitably connected to the actuator, and thanks to a temperature sensor installed at the output, the valve adjusts the position of the ball in order to obtain the mixed fluid at the desired temperature.

The diagram shows the wiring scheme of the actuator art.3012 180, and the wire colours for the correct connection.
The actuator must be supplied with 24V alternating current by connecting the BLUE (Neutral) and BROWN (phase) wires.
The GREY wire must also be connected to the phase to determine the starting point of the actuator's opening. In this case, by connecting the GREY wire to phase and installing the actuator on a 2-way valve, with 0V control voltage the valve is in the closed position, while with 10V it is completely open.



Description and wiring scheme

COLOUR	WIRING	DECRIPTION
BLUE	NEUTRAL	Connection to the neutral 24Vac - Actuator voltage
BROWN	PHASE	Connection to the phase 24Vac - Actuator voltage
BLACK	0-10 V	Connection to the control unit 0-10Vdc
WHITE	4-20mA	Connection to the control unit 4-20mA
GREY	PHASE	Connection to the phase 24Vac- Reverse rotation start point

Technical features

Actuator type:	Modulating
Power supply:	24V - 50Hz
Analog control input:	0-10V or 4-20mA
Torque:	10Nm
Rotation angle:	90°
Protection rating:	IP54
Rotation time:	180 s
Cable length:	1m

Straight automatic air vent valve for high pressure.

- Body made of CB753S brass
- Connection: 1/2" F
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C



ART. 2065

Code	size	€	box	pack
2065 12	1/2"		1	25

Straight automatic air vent valve for high pressure.

- Body made of CB753S brass
- Connection: 1/2" M
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- **Preassembled gasket at the base of the thread**



ART. 2066

Code	size	€	box	pack
2066 12	1/2"		1	25

GAISER - Air vent valve with horizontal discharge.

- Body made of CW617N brass
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP
- **Preassembled gasket at the base of the thread**



ART. 2040 - 2043

Code	finish	size	€	box	pack
2040 38	brass	3/8"		10	100
2040 12	brass	1/2"		10	100
2043 38	chrome	3/8"		10	100
2043 12	chrome	1/2"		10	100

GAISER - Air vent valve with horizontal discharge.

- Body made of CW617N brass
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP
- **With non-return valve**
- **Preassembled gasket at the base of the thread**



ART. 2041 - 2044

Code	finish	size	€	box	pack
2041 38	brass	3/8"		10	100
2041 12	brass	1/2"		10	100
2044 38	chrome	3/8"		10	100
2044 12	chrome	1/2"		10	100

GAISER - Straight automatic air vent valve.

- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP



GAISER - Angled automatic air vent valve.

- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 110°C
- Float: PP



ART. 2045 - 2050

Code	finish	size	€	box	pack
2045 38	brass	3/8"		10	100
2045 12	brass	1/2"		10	100
2045 34	brass	3/4"		10	100
2050 38	chrome	3/8"		10	100
2050 12	chrome	1/2"		10	100
2050 34	chrome	3/4"		10	100

ART. 2055 - 2060

Code	finish	size	€	box	pack
2055 38	brass	3/8"		10	100
2055 12	brass	1/2"		10	100
2055 34	brass	3/4"		10	100
2060 38	chrome	3/8"		10	100
2060 12	chrome	1/2"		10	100
2060 34	chrome	3/4"		10	100

Non-return valve for air vent valve.



ART. 2075 - 2080

Code	finish	size	€	box	pack
2075 3814	brass	3/8"x1/4"		10	-
2075 38	brass	3/8"x3/8"		10	-
2075 3812	brass	3/8"x1/2"		10	-
2075 12	brass	1/2"x1/2"		10	-
2080 38	chrome	3/8"x3/8"		10	-
2080 3812	chrome	3/8"x1/2"		10	-
2080 12	chrome	1/2"x1/2"		10	-

Brass safety valve for heating systems and domestic services.

- Set pressure: 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2" male
- Outlet: 1/2" -3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2004

Code	bar	size	€	box	pack
2004 121210	1	1/2"x1/2"		10	100
2004 121215	1,5	1/2"x1/2"		10	100
2004 121220	2	1/2"x1/2"		10	100
2004 121225	2,5	1/2"x1/2"		10	100
2004 121230	3	1/2"x1/2"		10	100
2004 121235	3,5	1/2"x1/2"		10	100
2004 121240	4	1/2"x1/2"		10	100
2004 121250	5	1/2"x1/2"		10	100
2004 121260	6	1/2"x1/2"		10	100
2004 121270	7	1/2"x1/2"		10	100
2004 121280	8	1/2"x1/2"		10	100
2004 121200	10	1/2"x1/2"		10	100
2004 123410	1	1/2"x3/4"		10	100
2004 123415	1,5	1/2"x3/4"		10	100
2004 123420	2	1/2"x3/4"		10	100
2004 123425	2,5	1/2"x3/4"		10	100
2004 123430	3	1/2"x3/4"		10	100
2004 123435	3,5	1/2"x3/4"		10	100
2004 123440	4	1/2"x3/4"		10	100
2004 123450	5	1/2"x3/4"		10	100
2004 123460	6	1/2"x3/4"		10	100
2004 123470	7	1/2"x3/4"		10	100
2004 123480	8	1/2"x3/4"		10	100
2004 123400	10	1/2"x3/4"		10	100

Brass safety valve for heating systems and domestic services.

- Set pressure: 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2"-3/4" female
- Outlet: 1/2"-3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2005

Code	bar	size	€	box	pack
2005 121210	1	1/2"x1/2"		10	100
2005 121215	1,5	1/2"x1/2"		10	100
2005 121220	2	1/2"x1/2"		10	100
2005 121225	2,5	1/2"x1/2"		10	100
2005 121230	3	1/2"x1/2"		10	100
2005 121235	3,5	1/2"x1/2"		10	100
2005 121240	4	1/2"x1/2"		10	100
2005 121250	5	1/2"x1/2"		10	100
2005 121260	6	1/2"x1/2"		10	100
2005 121270	7	1/2"x1/2"		10	100
2005 121280	8	1/2"x1/2"		10	100
2005 121200	10	1/2"x1/2"		10	100
2005 123410	1	1/2"x3/4"		10	100
2005 123415	1,5	1/2"x3/4"		10	100
2005 123420	2	1/2"x3/4"		10	100
2005 123425	2,5	1/2"x3/4"		10	100
2005 123430	3	1/2"x3/4"		10	100
2005 123435	3,5	1/2"x3/4"		10	100
2005 123440	4	1/2"x3/4"		10	100
2005 123450	5	1/2"x3/4"		10	100
2005 123460	6	1/2"x3/4"		10	100
2005 123470	7	1/2"x3/4"		10	100
2005 123480	8	1/2"x3/4"		10	100
2005 123400	10	1/2"x3/4"		10	100
2005 343410	1	3/4"x3/4"		10	100
2005 343415	1,5	3/4"x3/4"		10	100
2005 343420	2	3/4"x3/4"		10	100
2005 343425	2,5	3/4"x3/4"		10	100
2005 343430	3	3/4"x3/4"		10	100
2005 343435	3,5	3/4"x3/4"		10	100
2005 343440	4	3/4"x3/4"		10	100
2005 343450	5	3/4"x3/4"		10	100
2005 343460	6	3/4"x3/4"		10	100
2005 343470	7	3/4"x3/4"		10	100
2005 343480	8	3/4"x3/4"		10	100
2005 343400	10	3/4"x3/4"		10	100

Brass safety valve for heating systems and domestic services.
- Set pressure: 3 - 6 - 7 bar
- Inlet: 1/2" male
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2011

Code	bar	size	€	box	pack
2011 121230	3	1/2"x1/2"		10	100
2011 121260	6	1/2"x1/2"		10	100
2011 121270	7	1/2"x1/2"		10	100

Brass safety valve for heating systems and domestic services.
- Set pressure: 3 - 6 - 7 bar
- Inlet: 1/2" female
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2012

Code	bar	size	€	box	pack
2012 121230	3	1/2"x1/2"		10	100
2012 121260	6	1/2"x1/2"		10	100
2012 121270	7	1/2"x1/2"		10	100

Brass safety valve for heating systems and domestic services.
- Set pressure: 3 bar
- Inlet: quick connection
- Outlet: 3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2007

Code	bar	size	€	box	pack
2007 3430	3	3/4"		10	100

Brass pressure and temperature relief valve for heating systems and domestic services.
- Set pressure 3 - 4 - 6 - 7 - 10 bar
- Inlet: 1/2" - 3/4" male
- Outlet: 1/2" - 3/4" female
- Max. temperature: 115°C
- Discharge temperature: 92 ± 3°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.



ART. 2008

Code	bar	size	€	box	pack
2008 121230	3	1/2"x1/2"		1	-
2008 121240	4	1/2"x1/2"		1	-
2008 121260	6	1/2"x1/2"		1	-
2008 121270	7	1/2"x1/2"		1	-
2008 121200	10	1/2"x1/2"		1	-
2008 343430	3	3/4"x3/4"		1	-
2008 343440	4	3/4"x3/4"		1	-
2008 343460	6	3/4"x3/4"		1	-
2008 343470	7	3/4"x3/4"		1	-
2008 343400	10	3/4"x3/4"		1	-

Brass safety valve for heating systems and domestic services.
- Set pressure 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 bar
- Inlet: 1/2" male
- Outlet: 1/2" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2002

Code	bar	size	€	box	pack
2002 121210	1	1/2"x1/2"		10	100
2002 121215	1,5	1/2"x1/2"		10	100
2002 121220	2	1/2"x1/2"		10	100
2002 121225	2,5	1/2"x1/2"		10	100
2002 121230	3	1/2"x1/2"		10	100
2002 121235	3,5	1/2"x1/2"		10	100
2002 121240	4	1/2"x1/2"		10	100
2002 121250	5	1/2"x1/2"		10	100
2002 121260	6	1/2"x1/2"		10	100
2002 121270	7	1/2"x1/2"		10	100
2002 121280	8	1/2"x1/2"		10	100

Brass safety valve for heating systems and domestic services.
- Set pressure 2,5 - 3 - 4 - 6 - 7 - 8 bar
- Inlet: 1/2" female
- Outlet: 1/2" female
- Max. temperature: 110°C
- Max. pressure gauge temperature: 90°C
- Pressure gauge scale: 0÷10 bar



ART. 2010

Code	bar	size	€	box	pack
2010 121225	2,5	1/2"x1/2"		1	-
2010 121230	3	1/2"x1/2"		1	-
2010 121240	4	1/2"x1/2"		1	-
2010 121260	6	1/2"x1/2"		1	-
2010 121270	7	1/2"x1/2"		1	-
2010 121280	8	1/2"x1/2"		1	-

Brass safety valve for heating systems and domestic services.
- Set pressure 1 - 1,5 - 2 - 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 bar
- Inlet: 1/2"- 3/4" female
- Outlet: 1/2"- 3/4" female
- Max. temperature: 115°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2003

Code	bar	size	€	box	pack
2003 121210	1	1/2"x1/2"		10	100
2003 121215	1,5	1/2"x1/2"		10	100
2003 121220	2	1/2"x1/2"		10	100
2003 121225	2,5	1/2"x1/2"		10	100
2003 121230	3	1/2"x1/2"		10	100
2003 121235	3,5	1/2"x1/2"		10	100
2003 121240	4	1/2"x1/2"		10	100
2003 121250	5	1/2"x1/2"		10	100
2003 121260	6	1/2"x1/2"		10	100
2003 121270	7	1/2"x1/2"		10	100
2003 121280	8	1/2"x1/2"		10	100
2003 123410	1	1/2"x3/4"		10	100
2003 123415	1,5	1/2"x3/4"		10	100
2003 123420	2	1/2"x3/4"		10	100
2003 123425	2,5	1/2"x3/4"		10	100
2003 123430	3	1/2"x3/4"		10	100
2003 123435	3,5	1/2"x3/4"		10	100
2003 123440	4	1/2"x3/4"		10	100
2003 123450	5	1/2"x3/4"		10	100
2003 123460	6	1/2"x3/4"		10	100
2003 123470	7	1/2"x3/4"		10	100
2003 123480	8	1/2"x3/4"		10	100

Balancing valves combine a double regulating valve with a "fixed orifice" metering station.

Double regulating valve

"Double regulation" makes it possible to regulate and measure the fluid flow through the valve.



Art. 2129

"Fixed orifice" metering

"Fixed orifice" provides an accurate means for measuring flow capacity.

The valve is designed to regulate the flow capacity in a water-based heating or cooling system.
A balancing circuit ensures good performance from the terminal units in the system in line with the project design, thus maintaining uniform temperature conditions in the building.
Correct balancing permits optimization and reduction of energy consumption, avoiding losses from incorrect fluid distribution and limiting the velocity of the fluid medium, which could cause noise disturbance.
Use of a balancing valve makes it possible to select smaller pumps and to ensure they operate at higher efficiency - reducing electricity consumption and the risk of overheating.

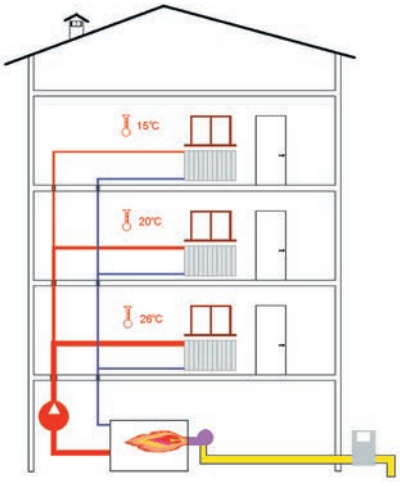
Balancing valves can be used in a range of application:

- To regulate the capacity of the risers, or single terminals in an air-conditioning, or heating system.

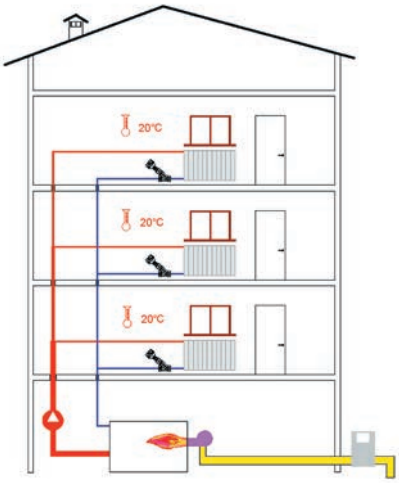
- To balance the circuits equipped with 3-way valves.

- To balance the water circuits of heating or cooling batteries, or of evaporating towers.

- To balance the water flow in the sanitation system.



Unbalanced system



Balanced system

Using balancing valves in a cooling or heating system ensures that both flow volume and temperature distribution are uniform, thus reducing consumption.



Art. 2130

- Dimensions: sizes from 1/2" to 2".
- Body material: CR (DZR) brass.
- Shaped shutter complete with EPDM closing gasket.
- Micrometric regulating valve with anti-tampering "memory" device.
- Graduated scale with reading to 360°.

Balancing valve and flow measurement valve.

- Body: CR (DZR) brass
- Shaped shutter complete with EPDM closing gasket
- Micrometric regulating valve
- Anti-tampering "memory" device
- Graduated scale with reading to 360°
- Nominal pressure: 16 bar
- Maximum working temperature: 100°C



ART. 2130

Code	size	€	box	pack
2130 12	1/2"		1	-
2130 34	3/4"		1	-
2130 1	1"		1	-
2130 114	1"1/4		1	-
2130 112	1"1/2		1	-
2130 2	2"		1	-

Balancing valve with flow measurement device and plugs.

- Body: CR (DZR) brass
- Shaped shutter complete with EPDM closing gasket
- Micrometric regulating valve
- Anti-tampering "memory" device
- Graduated scale with reading to 360°
- Nominal pressure: 16 bar
- Maximum working temperature: 100°C



ART. 2129

Code	size	€	box	pack
2129 12	1/2"		1	-
2129 34	3/4"		1	-
2129 1	1"		1	-
2129 114	1"1/4		1	-
2129 112	1"1/2		1	-
2129 2	2"		1	-

Pressure plugs, quick insertion.



ART. 2140

Code	size	€	box	pack
2140	1/4"		1	-

Measuring needle for pressure plugs.



ART. 2145

Code	€	box	pack
2145		1	-

Electronic measurer of differential pressure and flow capacity for system balancing.

Range:

- 0,1 kPa÷250 kPa
- 0÷95°C



ART. 2125

Code	€	box	pack
2125		1	-

Pre-formed anti-condensation insulation for balancing valves.



ART. 2150

Code	size	€	box	pack
2150 12	1/2"		1	-
2150 34	3/4"		1	-
2150 1	1"		1	-
2150 114	1"1/4		1	-
2150 112	1"1/2		1	-
2150 2	2"		1	-

PICV - Pressure independent control valve.

- Body in CR (DZR) brass
- For heating, cooling and domestic systems
- Automatic flow balancing in conditions of variable pressure in the system
- Modulation of the flow along the entire stroke of actuator (art.2138 180)
- Nominal pressure: 25bar
- Maximum differential pressure: 4bar
- Maximum flow temperature: 120°C
- Minimum working temperature: -10°C
- Compatible fluids: water and glycol
- Nr. 2 connections for pressure plugs Art. 2140



ART. 2136

Code	size	flow rate [l/h]	€	box	pack
2136 12	1/2"	86÷347		1	-
2136 34	3/4"	96÷483		1	-
2136 1	1"	150÷900		1	-
2136 114	1"1/4	272÷1610		1	-

Thermo-electric actuator for valves, Art.2136.

- Power supply: 230V AC
- Control: on/off, normally closed
- Protection rating: IP54
- Opening time: 180s
- Cable length:1m
- Ring thread: M30x1.5
- Stroke: 4mm



ART. 2138

Code	€	box	pack
2138 180		1	-

PICV - Pressure independent control valve.

- Body in CR (DZR) brass
- For heating, cooling and domestic systems
- Automatic flow balancing in conditions of variable pressure in the system
- Modulation of the flow along the entire stroke of actuator (art.2139 150)
- Nominal pressure: 25bar
- Maximum differential pressure: 4bar
- Maximum flow temperature: 120°C
- Minimum working temperature: -10°C
- Compatible fluids: water and glycol
- Nr. 2 connections for pressure plugs, Art. 2140



ART. 2137

Code	size	flow rate [l/h]	€	box	pack
2137 112	1"1/2	2020÷7105		1	-
2137 2	2"	2204÷8586		1	-

Electric actuator for valves, Art.2137.

- Feed voltage: 230V AC
- Control: 3-point
- Protection rating: IP54
- Opening time: 120s
- Ring thread: M30x1.5



ART. 2139

Code	€	box	pack
2139 120		1	-

The valves **Arts. 2136 and 2137**, also indicated with the acronym **PICV** (**P**ressure **I**ndependent **C**ontrol **V**alve), are designed for automatic balancing of heating, cooling and sanitary systems, even in conditions of variable pressure.

The Pressure Independent Control Valves enable three separate functions in a system:

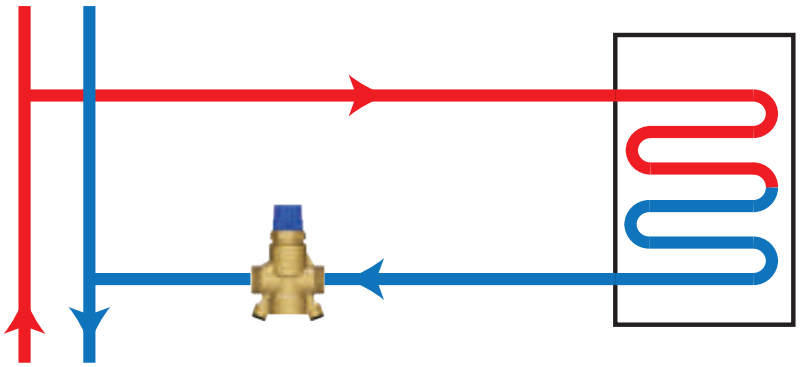
- **Adjustment.** Select the flow rate within the operating range
- **Control.** Maintain a constant flow rate even in cases of variable pressure.
- **Interception.** Interception of the flow by means of actuators

The main features of the control valves are the following:

- Range of differential pressures between a minimum value of 16 kPa and a maximum value of 400 kPa;
- Ability to quickly connect the pair of pressure plugs , Art.**2140;**
- Selector with graduated scale with 21 settings to select the required flow;
- Automatic balancing in case of pressure fluctuation in the pipelines of the system;
- Interception of flow rate by the actuators art.**2138** and **2139**;
- Flexibility of application in case the system is modified after the initial installation;
- Reduced system balancing costs, energy saving and improved comfort.

Applications

The valves Arts.**2136** and **2137** are used for flow rate balancing in systems with hydraulic separators, fan coils, radiant panels, air handling units and systems with chilled beams.
The valve is suitable for cases where it is necessary to keep flow constant to feed a heating or cooling terminal, in order to always maintain the design values, even with varying system load conditions.



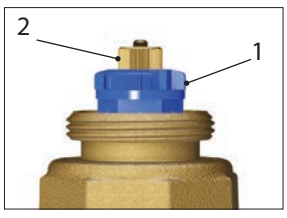
Technical features

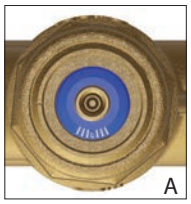
	Art. 2136				Art. 2137	
Size	1/2"	3/4"	1"	1"1/4	1"1/2	2"
Flow rate [l/h]	86÷347	96÷483	150÷900	272÷1610	2020÷7105	2204÷8586
ΔP minimum [kPa]	16,5	19,5	26	37	26	32
Kv [m³/h]	0,86	1,05	1,77	2,65	13,94	15,18

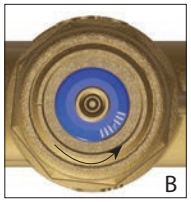
Kv = flow rate in m3/h at pressure drop of 1 bar.

Functioning

By turning the adjusting nut (1) you get the design flow value. Then, tighten the memory block (2).
Within the regulation range of Δp the flow rate remains constant, as shown in the graph.



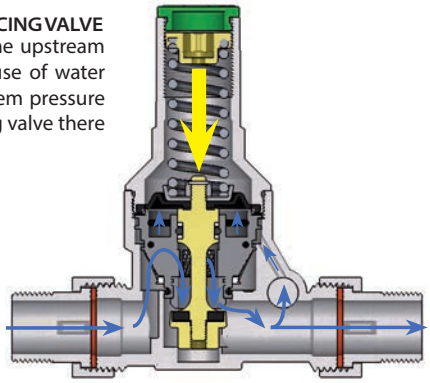






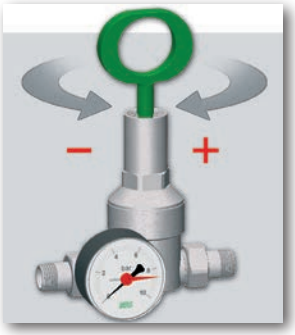
PRESSURE REDUCING VALVES

RELIABILITY, DURABILITY AND EASY MAINTENANCE ARE THE MAIN FEATURES OF THIS PRESSURE REDUCING VALVE
The main purpose of pressure reducing valve is to keep constant pressure in the system, even when the upstream pressure varies widely. Such variations usually occur during the night, or at the weekend, when the use of water decreases. Pressure variation between night and day can range from 3-4 bar. Maintaining constant system pressure avoids leaks and/or malfunction of taps, dishwashers, washing machines etc...Inside the pressure reducing valve there is a cartridge which can be cleaned or replaced thanks to an easy extraction system.



For construction and testing we took as reference UNI EN 1567:2002
- Valves for buildings
- Water and water combined pressure reducing valves
- Requirements and test methods

FAST AND EASY ADJUSTMENT



Turning the screw in a clockwise direction – with the aid of the Allen key supplied – increases the pressure, while unscrewing counter-clockwise will cause it to decrease.

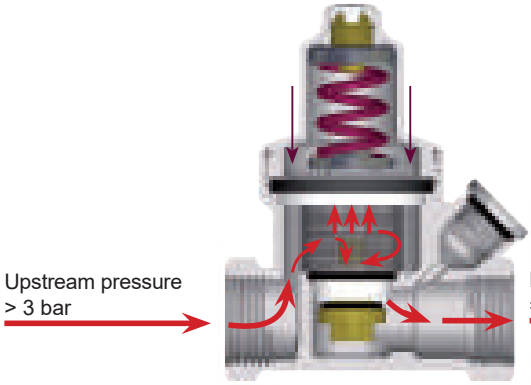
TECHNICAL FEATURES

Reducing valve body:	CB770S (CR) brass
Sealing seat:	AISI 304 stainless steel
Cartridge material:	Hostaform®
O-Rings and gaskets material:	EPDM
Downstream adjustable pressure:	from 1 to 6 bar
Nominal pressure:	16 and 25 bar
Max. working temperature:	75°C

PRESSURE REDUCING VALVE

SMALL SIZE, HIGH RELIABILITY

3 bar pressure reducing valve



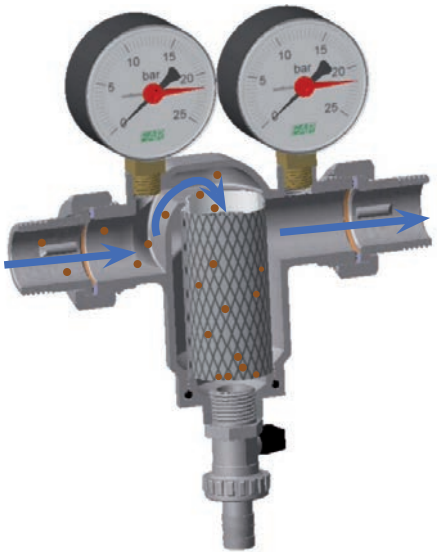
STRAINERS FOR DOMESTIC SERVICES

In order to protect the whole system from any impurities that, over time, might damage components and/or impair system function, it is essential to install a strainer at the system inlet - after the water meter and before the pressure reducing valve. It is a mechanical strainer which is ideal for stopping impurities such as sand, broken bricks or parts of seals which might possibly get into the pipeline during installation.

The body of the FAR strainer for domestic services is fabricated entirely from Dezincification Resistant (DZR) brass. It is a known fact that components made of standard brass can suffer corrosion from stagnant water, or water rich in oxygen and carbon dioxide.

TECHNICAL FEATURES

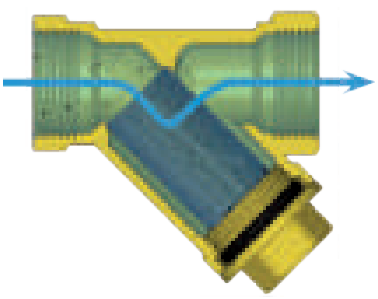
Body material:	CB770S (CR) brass
Mesh filter material:	AISI 304 steel
Filtration rating:	100 - 300 - 700 µm
Max. working pressure:	25 bar
Max. working temperature:	95°C



The FAR inclined strainer is a hydraulic component of small dimensions that permits removal of impurities and particles which could pollute the system and damage the components within it. The cartridge is easily removable for simple, fast maintenance and is just as easy to replace.

TECHNICAL FEATURES

Compatible media:	water
Max. water temperature:	95°C
PN:	16 bar
Filtration rating:	600 µm
Strainer body:	CW617N brass
Cartridge	AISI 304 steel
Terminal plug:	CW617N brass
O-Ring:	EPDM



Brass pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2864 12	1/2"		1	50
2864 34	3/4"		1	50

Male-female connections

ART. 2864-2865

WITH PRESSURE GAUGE

Code	size	€	box	pack
2865 12	1/2"		1	30
2865 34	3/4"		1	30

Chrome-plated pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2866 12	1/2"		1	50
2866 34	3/4"		1	50

Male-female connections

ART. 2866-2867

WITH PRESSURE GAUGE

Code	size	€	box	pack
2867 12	1/2"		1	30
2867 34	3/4"		1	30

Brass pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2868 12	1/2"		1	50
2868 34	3/4"		1	50

Female-female connections

ART. 2868-2869

WITH PRESSURE GAUGE

Code	size	€	box	pack
2869 12	1/2"		1	30
2869 34	3/4"		1	30

Chrome-plated pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 3 bar





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2870 12	1/2"		1	50
2870 34	3/4"		1	50

Female-female connections

ART. 2870-2871

WITH PRESSURE GAUGE

Code	size	€	box	pack
2871 12	1/2"		1	30
2871 34	3/4"		1	30

Brass angled pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 16 bar
- Max. working temperature: 30°C
- Compatible fluids: water and air
- Preset: 5 bar
- Pressure gauge connection: 1/4"



ART. 2873

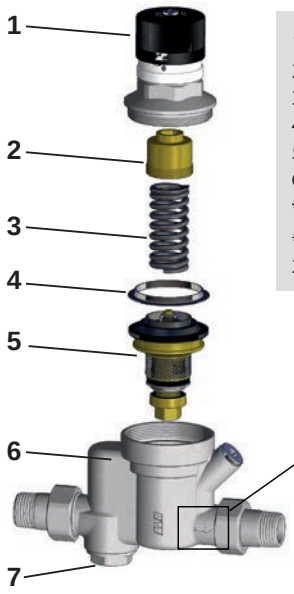
Code	size	€	box	pack
2873 34	3/4"		1	-

DESCRIPTION

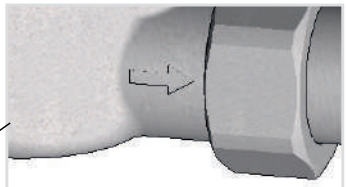
The main purpose of the reducing valve is to maintain constant pressure in the system, even when the upstream pressure varies.
Without a pressure reducing valve, these fluctuations could cause a certain amount of stress and therefore lead to system malfunctions or component breakdowns.
Two versions of pre-adjustable pressure reducing valves are available, one without an internal strainer and another with a 600 µm strainer.
Both versions can be ordered in 1/2" and 3/4" sizes, with or without pressure gauge.

INSTALLATION

Make sure that the system is free of impurities, therefore an accurate cleaning of the pipework is recommended prior to installation.
It is also recommended that a strainer be located upstream of the pressure reducer, even though a small filter is already built into the cartridge.
Articles 2880-2881-2882-2883 are already equipped with a strainer.
For easier access and maintenance, install two liquid shut-off valves during mounting, one upstream and one downstream of the pressure reducing valve.
The direction of flow in indicated by the arrow on the body of the reducing valve.

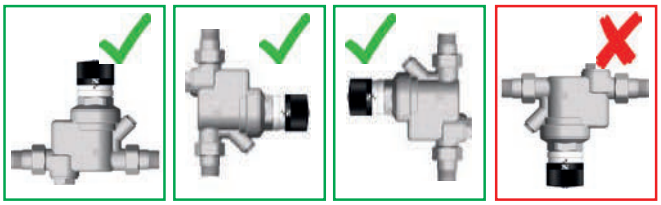


1 ADJUSTMENT HANDLE
2 CAP
3 SPRING
4 FRICTION RING
5 CARTRIDGE
6 PRESSURE REDUCING VALVE BODY
*7 600µm STRAINER
*Included on items:
2880-2881-2882-2883



CORRECT WATER FLOW DIRECTION INSIDE THE PRESSURE REDUCING VALVE.

DO NOT INSTALL THE REDUCING VALVE UPSIDE DOWN



Calibration: setting of the downstream pressure

To set the downstream pressure, rotate the handle to the desired value, checking the setting through the peephole on the handle.



+ Clockwise direction:
increases the downstream pressure

- Counter-clockwise direction:
decreases the downstream pressure

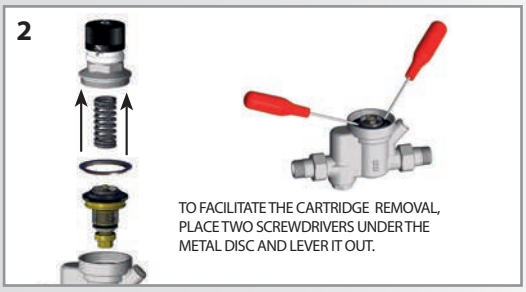
MAINTENANCE

The strainer on the cartridge inside the reducing valve requires periodic cleaning, especially if highly impure water is being used or if no upstream filter is installed. Proceed as follows to clean it:

Before beginning the maintenance operation, close the shut-off valves located upstream and downstream of the reducing valve.

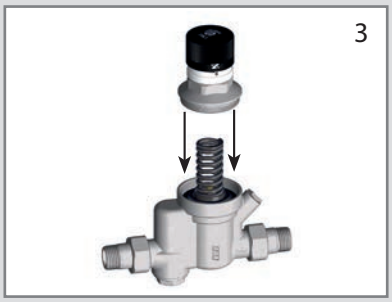


1- Using a 36 mm spanner, loosen the upper part of the reducing valve.



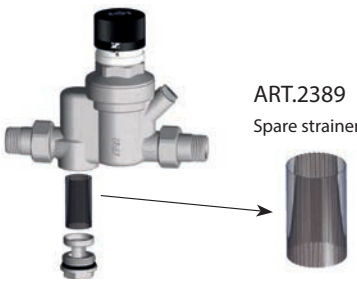
TO FACILITATE THE CARTRIDGE REMOVAL, PLACE TWO SCREWDRIVERS UNDER THE METAL DISC AND LEVER IT OUT.

2- Remove the spring and the cartridge. Clean the cartridge or replace it if it's damaged.



3- Correctly reassemble the components in the pressure reducing valve and retighten.

Articles 2880-2881-2882-2883 are each equipped with an internal strainer, which requires regular maintenance



ART.2389
Spare strainer

Brass pre-adjustable pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- Compatible fluids: water and air





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2876 12	1/2"		1	20
2876 34	3/4"		1	20

Male-male connections

ART. 2876-2877

WITH PRESSURE GAUGE

Code	size	€	box	pack
2877 12	1/2"		1	20
2877 34	3/4"		1	20

Chrome-plated pre-adjustable pressure reducing valve for domestic services.

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- Compatible fluids: water and air





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2878 12	1/2"		1	20
2878 34	3/4"		1	20

Male-male connections

ART. 2878-2879

WITH PRESSURE GAUGE

Code	size	€	box	pack
2879 12	1/2"		1	20
2879 34	3/4"		1	20

Brass pre-adjustable pressure reducing valve for domestic services, **COMPLETE WITH STRAINER.**

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- Compatible fluids: water and air
- Mesh strainer material: AISI 304 steel
- Filtration level: 600 µm





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2880 12	1/2"		1	20
2880 34	3/4"		1	20

Male-male connections

ART. 2880-2881

WITH PRESSURE GAUGE

Code	size	€	box	pack
2881 12	1/2"		1	20
2881 34	3/4"		1	20

Chrome-plated pre-adjustable pressure reducing valve for domestic services, **COMPLETE WITH STRAINER.**

- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- Compatible fluids: water and air
- Mesh strainer material: AISI 304 steel
- Filtration rating: 600 µm





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2882 12	1/2"		1	20
2882 34	3/4"		1	20

Male-male connections

ART. 2882-2883

WITH PRESSURE GAUGE

Code	size	€	box	pack
2883 12	1/2"		1	20
2883 34	3/4"		1	20

Spare cartridge for pre-adjustable pressure reducing valves.

- Sizes: 1/2" - 3/4"



ART. 2893

Code	size	€	box
2893 1234	1/2"- 3/4"		1

Spare cartridge for (Art. 2880-2881-2882-2883).

- Filtration mesh: AISI 304 steel



ART. 2389

Code	size	filtration rating	€	box
2389 34600	3/4"	600 µm		1

1 PRESSURE REDUCING VALVES

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Male-male connections

ART. 2800-2805



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2800 12	1/2″		1	20
2800 34	3/4″		1	20
2800 1	1″		1	12
2800 114	1″1/4		1	12
2800 112	1″1/2		1	5
2800 2	2″		1	5

WITH PRESSURE GAUGE

Code	size	€	box	pack
2805 12	1/2″		1	20
2805 34	3/4″		1	20
2805 1	1″		1	12
2805 114	1″1/4		1	12
2805 112	1″1/2		1	5
2805 2	2″		1	5

Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Male-male connections

ART. 2810-2815



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2810 12	1/2″		1	20
2810 34	3/4″		1	20
2810 1	1″		1	12
2810 114	1″1/4		1	12
2810 112	1″1/2		1	5
2810 2	2″		1	5

WITH PRESSURE GAUGE

Code	size	€	box	pack
2815 12	1/2″		1	20
2815 34	3/4″		1	20
2815 1	1″		1	12
2815 114	1″1/4		1	12
2815 112	1″1/2		1	5
2815 2	2″		1	5

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Male-female connections

ART. 2820-2825



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2820 12	1/2″		1	20
2820 34	3/4″		1	20
2820 1	1″		1	12

WITH PRESSURE GAUGE

Code	size	€	box	pack
2825 12	1/2″		1	20
2825 34	3/4″		1	20
2825 1	1″		1	12

Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Male-female connections

ART. 2830-2835



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2830 12	1/2"		1	20
2830 34	3/4"		1	20
2830 1	1"		1	12

WITH PRESSURE GAUGE

Code	size	€	box	pack
2835 12	1/2"		1	20
2835 34	3/4"		1	20
2835 1	1"		1	12

Brass pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Female-female connections

ART. 2840-2845



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2840 12	1/2"		1	20
2840 34	3/4"		1	20
2840 1	1"		1	12

WITH PRESSURE GAUGE

Code	size	€	box	pack
2845 12	1/2"		1	20
2845 34	3/4"		1	20
2845 1	1"		1	12

Chrome-plated pressure reducing valve for domestic services.

- Sealing seat: stainless steel
- Body material: CB770S brass
- Adjustable downstream pressure: from 1 to 6 bar
- Nominal pressure: 25 bar
- Max. working temperature: 75°C
- O-Ring and gaskets material: EPDM
- Compatible fluids: water and air
- Supplied with regulation key

NB Insulation on page 79



Female-female connections

ART. 2850-2855



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
2850 12	1/2"		1	20
2850 34	3/4"		1	20
2850 1	1"		1	12

WITH PRESSURE GAUGE

Code	size	€	box	pack
2855 12	1/2"		1	20
2855 34	3/4"		1	20
2855 1	1"		1	12

Spare cartridge for pressure reducing valves.

- Sizes: 1/2" - 3/4" - 1" - 1"1/4



ART. 2890

Code	size	€	box
2890 1234	1/2"- 3/4"		1
2890 1114	1"- 1"1/4		1

Spare cartridge for pressure reducing valves.

- Sizes: 1"1/2 - 2"



ART. 2892

Code	size	€	box
2892 1122	1"1/2 - 2"		1

Spare cartridge for pressure reducing valves, compact version.

- Sizes: 1/2"- 3/4"



ART. 2891

Code	size	€	box
2891 1234	1/2" - 3/4"		1

1 STRAINERS FOR DOMESTIC SERVICES

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-male connections

ART. 3930-3931



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3930 34	3/4"		1	12
3930 1	1"		1	12
3930 114	1"1/4		1	12
3930 112	1"1/2		1	5
3930 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3931 34	3/4"		1	12
3931 1	1"		1	12
3931 114	1"1/4		1	12
3931 112	1"1/2		1	5
3931 2	2"		1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-male connections

ART. 3932-3933



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3932 34	3/4"		1	12
3932 1	1"		1	12
3932 114	1"1/4		1	12
3932 112	1"1/2		1	5
3932 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3933 34	3/4"		1	12
3933 1	1"		1	12
3933 114	1"1/4		1	12
3933 112	1"1/2		1	5
3933 2	2"		1	5

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-female connections

ART. 3934-3935



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3934 34	3/4"		1	12
3934 1	1"		1	12
3934 114	1"1/4		1	12
3934 112	1"1/2		1	5
3934 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3935 34	3/4"		1	12
3935 1	1"		1	12
3935 114	1"1/4		1	12
3935 112	1"1/2		1	5
3935 2	2"		1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°



Male-female connections

ART. 3936-3937



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3936 34	3/4"		1	12
3936 1	1"		1	12
3936 114	1"1/4		1	12
3936 112	1"1/2		1	5
3936 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3937 34	3/4"		1	12
3937 1	1"		1	12
3937 114	1"1/4		1	12
3937 112	1"1/2		1	5
3937 2	2"		1	5

Brass strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C



Female-female connections

ART. 3938-3939



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3938 34	3/4"		1	12
3938 1	1"		1	12
3938 114	1"1/4		1	12
3938 112	1"1/2		1	5
3938 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3939 34	3/4"		1	12
3939 1	1"		1	12
3939 114	1"1/4		1	12
3939 112	1"1/2		1	5
3939 2	2"		1	5

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C



Female-female connections

ART. 3940-3941



WITH PRESSURE GAUGE CONNECTIONS

Code	size	€	box	pack
3940 34	3/4"		1	12
3940 1	1"		1	12
3940 114	1"1/4		1	12
3940 112	1"1/2		1	5
3940 2	2"		1	5

WITH PRESSURE GAUGES

Code	size	€	box	pack
3941 34	3/4"		1	12
3941 1	1"		1	12
3941 114	1"1/4		1	12
3941 112	1"1/2		1	5
3941 2	2"		1	5

Brass strainer for domestic services and heating systems.

- Body material: CW617N brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 600 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- Connections: female-female
- Removable cartridge for cleaning



ART. 2390

Code	size	€	box	pack
2390 12	1/2"		1	50
2390 34	3/4"		1	50
2390 1	1"		1	50
2390 114	1"1/4		1	30

Brass strainer for domestic services and heating systems.

- Body material: CW617N brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 600 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- Connections: male-female with union
- Removable cartridge for cleaning



ART. 2392

Code	size	€	box	pack
2392 12	1/2"		1	50
2392 34	3/4"		1	50

FILTROFAR - Chrome-plated strainer with built-in stop cock.

- Body material: CW617N brass
- Connections: male - female
- Nominal pressure:10 bar
- Max. temperature: 95°C
- Sealing O-ring: EPDM
- Filtration rating: 300 µm
- Filtration mesh: AISI 304 steel



ART. 3925

Code	size	€	box	pack
3925 34	3/4"		10	60

1 STRAINERS FOR DOMESTIC SERVICES, COMPACT VERSION

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C





NB Insulation on page 79

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
3943 12	1/2"		1	20
3943 34	3/4"		1	20
3943 1	1"		1	15

Male-male connections

ART. 3943-3944

WITH PRESSURE GAUGE

Code	size	€	box	pack
3944 12	1/2"		1	20
3944 34	3/4"		1	20
3944 1	1"		1	15

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C





NB Insulation on page 79

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
3945 12	1/2"		1	20
3945 34	3/4"		1	20
3945 1	1"		1	15

Male-female connections

ART. 3945-3946

WITH PRESSURE GAUGE

Code	size	€	box	pack
3946 12	1/2"		1	20
3946 34	3/4"		1	20
3946 1	1"		1	15

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C





NB Insulation on page 79

WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
3947 12	1/2"		1	20
3947 34	3/4"		1	20
3947 1	1"		1	15

Female-female connections

ART. 3947-3948

WITH PRESSURE GAUGE

Code	size	€	box	pack
3948 12	1/2"		1	20
3948 34	3/4"		1	20
3948 1	1"		1	15

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79



Male-male connections

ART. 39F3-39F4



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39F3 12	1/2"		1	20
39F3 34	3/4"		1	16
39F3 1	1"		1	16

WITH PRESSURE GAUGE

Code	size	€	box	pack
39F4 12	1/2"		1	20
39F4 34	3/4"		1	16
39F4 1	1"		1	16

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79



Male-female connections

ART. 39F5-39F6



WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39F5 12	1/2"		1	20
39F5 34	3/4"		1	16
39F5 1	1"		1	16

WITH PRESSURE GAUGE

Code	size	€	box	pack
39F6 12	1/2"		1	20
39F6 34	3/4"		1	16
39F6 1	1"		1	16

Chrome-plated strainer for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79



Female-female connections

ART. 39F7-39F8



WITH PRESSURE GAUGE CONNECTION

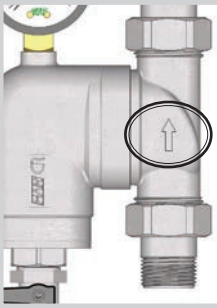
Code	size	€	box	pack
39F7 12	1/2"		1	20
39F7 34	3/4"		1	16
39F7 1	1"		1	16

WITH PRESSURE GAUGE

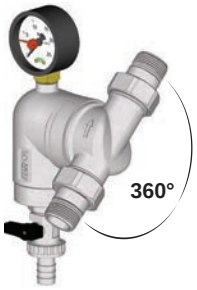
Code	size	€	box	pack
39F8 12	1/2"		1	20
39F8 34	3/4"		1	16
39F8 1	1"		1	16

SWIVELING STRAINERS

The FAR swiveling strainers guarantee an accurate water filtering, thus preserving the functioning of installed components.
The input and output connections can rotate to adjust the strainer position according to the plant requirements

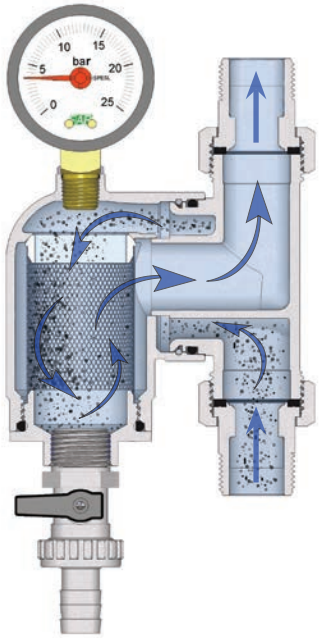


The arrow printed on strainer body allows to recognize the input and the output.

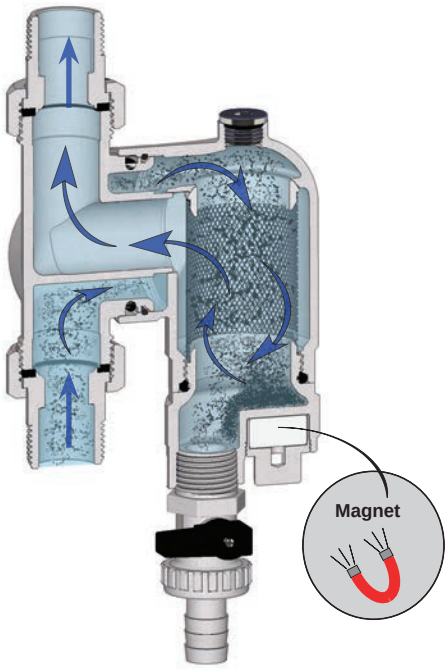


The rotation of the connections allows the strainer to be positioned on both horizontal and vertical pipes.

The incoming water follows a guided path entering the filtering net from above and then moves in a radial direction, getting rid of impurities. The particles thus stick to the net or fall down, accumulating near the drain valve.



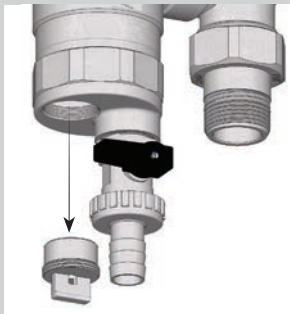
The strainers equipped with magnetic inserts are ideal for systems with a high concentration of iron particles, deposits or debris caused by corrosion.

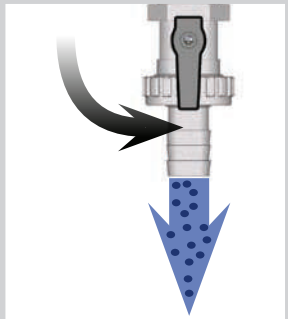


TECHNICAL FEATURES:

- Body: CB770S (CR) brass resistant to dezincification
- Lower cock: CW617N brass
- Filtering cartridge : AISI304 steel
- O-Ring: EPDM
- Max. working temperature: 95°C
- Nominal pressure: 25 bar
- Swiveling connection: 360°
- Available with 3 filtration ratings: 100 µm - 300 µm - 700 µm
- Connections: M-M, F-M and F-F
- Can be ordered in the version with or without pressure gauge

Ordinary maintenance can be carried out simply by unscrewing the magnetic insert holder and opening the drain cock to discharge the accumulated particles.





Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A3 12	1/2"		1	20
39A3 34	3/4"		1	20
39A3 1	1"		1	10

Male-male connections

ART. 39A3-39A4

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A4 12	1/2"		1	20
39A4 34	3/4"		1	20
39A4 1	1"		1	10

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A5 12	1/2"		1	20
39A5 34	3/4"		1	20
39A5 1	1"		1	10

Male-female connections

ART. 39A5-39A6

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A6 12	1/2"		1	20
39A6 34	3/4"		1	20
39A6 1	1"		1	10

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39A7 12	1/2"		1	20
39A7 34	3/4"		1	20
39A7 1	1"		1	10

Female-female connections

ART. 39A7-39A8

WITH PRESSURE GAUGE

Code	size	€	box	pack
39A8 12	1/2"		1	20
39A8 34	3/4"		1	20
39A8 1	1"		1	10

1 STRAINERS FOR DOMESTIC SERVICES, COMPACT VERSION

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M3 12	1/2″		1	16
39M3 34	3/4″		1	16
39M3 1	1″		1	10

Male-male connections

ART. 39M3-39M4

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M4 12	1/2″		1	16
39M4 34	3/4″		1	16
39M4 1	1″		1	10

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M5 12	1/2″		1	16
39M5 34	3/4″		1	16
39M5 1	1″		1	10

Male-female connections

ART. 39M5-39M6

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M6 12	1/2″		1	16
39M6 34	3/4″		1	16
39M6 1	1″		1	10

Chrome-plated strainer with swiveling connections for domestic services.

- Body material: CB770S brass
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm
- Nominal pressure: 25 bar
- Max. working temperature: 95°C
- **Removable magnetic insert**

NB Insulation on page 79





WITH PRESSURE GAUGE CONNECTION

Code	size	€	box	pack
39M7 12	1/2″		1	16
39M7 34	3/4″		1	16
39M7 1	1"		1	10

Female-female connections

ART. 39M7-39M8

WITH PRESSURE GAUGE

Code	size	€	box	pack
39M8 12	1/2″		1	16
39M8 34	3/4″		1	16
39M8 1	1″		1	10

Anti-condensate protection shell made of expanded polyethylene for pressure reducing valves.
(ART. 2800-2805-2810-2815-2820-2825)
(ART. 2830-2835-2840-2845-2850-2855)



ART. 2801

Code	size	€	box
2801 1234	1/2"-3/4"		1
2801 1114	1"-1"1/4		1
2801 112	1"1/2		1
2801 2	2"		1

Anti-condensate protection shell made of expanded polyethylene for strainers.
(ART. 3943-3944-3945-3946-3947-3948)
(ART. 39F3-39F4-39F5-39F6-39F7-39F8)



ART. 39F1

Code	size	€	box
39F1 12	1/2"		1
39F1 34	3/4"		1
39F1 1	1"		1

Anti-condensate protection shell made of expanded polyethylene for strainers with swiveling connections.
(ART. 39A3-39A4-39A5-39A6-39A7-39A8)
(ART. 39M3-39M4-39M5-39M6-39M7-39M8)



ART. 39A1

Code	size	€	box
39A1 1234	1/2"-3/4"		1
39A1 1	1"		1

Spare cartridge for strainer (ART. 2390-2392-2880-2881-2882-2883).
- Filtration mesh: AISI 304 steel
- Filtration rating: 600 µm



ART. 2389

Code	size	filtration rating	€	box
2389 12600	1/2"	600 µm		1
2389 34600	3/4"	600 µm		1
2389 1600	1"	600 µm		1
2389 114600	1"1/4	600 µm		1

1/2" spare cartridge for strainer for domestic services and heating systems.
(Art. 3943-3944-3945-3946-3947-3948)
(Art. 39F3-39F4-39F5-39F6-39F7-39F8)
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm

NB. Available upon request with filtration rating of 100 µm and 700 µm



ART. 3949

Code	size	filtration rating	€	box
3949 12300	1/2"	300 µm		1

Spare cartridge for strainer for domestic services, sizes: 3/4"-1"-1"1/4-1"1/2-2".
(Art. 3930-3931-3932-3933-3934-3935-3936-3937-3938-3939-3940-3941)
(Art. 3943-3944-3945-3946-3947-3948-39F3-39F4-39F5-39F6-39F7-39F8)

Spare cartridge Art. **3942 34300** for domestic services, sizes: 1/2"-3/4"
(Art. 39A3-39A4-39A5-39A6-39A7-39A8-39M3-39M4-39M5-39M6-39M7-39M8)
- Mesh strainer material: AISI 304 steel
- Filtration rating: 300 µm

NB. Available upon request with filtration rating of 100 µm and 700 µm



ART. 3942

Code	size	filtration rating	€	box
3942 34300	3/4"	300 µm		1
3942 1300	1"	300 µm		1
3942 114300	1"1/4	300 µm		1
3942 112300	1"1/2	300 µm		1
3942 2300	2"	300 µm		1

1 PRE-ASSEMBLED CONTROL UNIT

The SMALL actuator can be installed at the inlet to the domestic services, just after the water meter. It can be activated by a switch, so every time you leave the house, for even a brief period, you can turn off water supplies from the mains. No need to worry ever again about possible damage or a forgotten open tap.

PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:
- 230 V motorized ball zone valve with manual release
- strainer for domestic services
- pressure reducing valve

WITH PRESSURE GAUGE CONNECTIONS

ART. 3960

Code	size	€	box
3960 34	3/4"		1
3960 1	1"		1



WITH PRESSURE GAUGES

ART. 3961

Code	size	€	box
3961 34	3/4"		1
3961 1	1"		1

PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:
- 24 V motorized ball zone valve with manual release
- strainer for domestic services
- pressure reducing valve

WITH PRESSURE GAUGE CONNECTIONS

ART. 3962

Code	size	€	box
3962 34	3/4"		1
3962 1	1"		1

WITH PRESSURE GAUGES

ART. 3963

Code	size	€	box
3963 34	3/4"		1
3963 1	1"		1

PRE-ASSEMBLED chrome-plated control unit for water main delivery complete with:
- strainer for domestic systems
- pressure reducing valve



WITH PRESSURE GAUGE CONNECTIONS

ART. 3964

Code	size	€	box
3964 34	3/4"		1
3964 1	1"		1
3964 114	1"1/4		1

WITH PRESSURE GAUGES

ART. 3965

Code	size	€	box
3965 34	3/4"		1
3965 1	1"		1
3965 114	1"1/4		1

Connection unit for domestic services complete with:
- connections for recirculation
- thermostatic mixer with 30÷65° C temperature range
- shut-off ball valves
- non-return valves

• Nominal pressure: 10 bar
• Max. differential pressure: 3bar
• Max. working temperature: 95°C



ART. 3968

Code	size	€	box	pack
3968 34	3/4"		1	1

Connection unit for domestic services complete with:
- suitable for recirculation
- thermostatic mixer with 30÷65° C temperature range
- shut-off ball valves
- non-return valves

• Nominal pressure: 10 bar
• Max. differential pressure: 3bar
• Max. working temperature: 95°C



ART. 3969

Code	size	€	box	pack
3969 34	3/4"		1	1

Connection unit for domestic services complete with:
- connections for recirculation
- 3-speed pump with 6m design head
- thermostatic mixer with 30÷65° C temperature range
- shut-off ball valves
- non-return valves

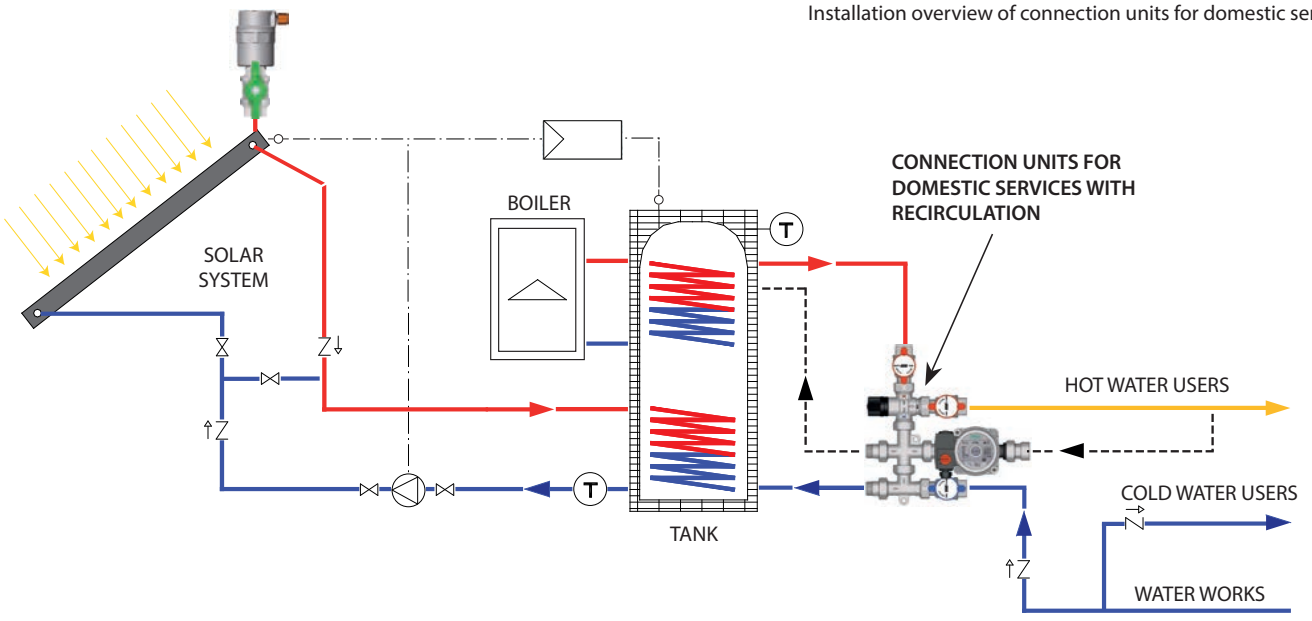
• Nominal pressure: 10 bar
• Max. differential pressure: 3bar
• Max. working temperature: 95°C



ART. 3967

Code	size	€	box	pack
3967 34	3/4"		1	1

Installation overview of connection units for domestic services



1 WATER HAMMER ARRESTER

Water hammer arrester for domestic services.

- Body made of CW617N brass
- Connection: 1/2" - 3/4" - 1" male
- EPDM sealing gasket
- Max. pressure: 50 bar
- Nominal pressure: 10 bar
- Max. working temperature:90°C



ART. 2895

Code	size	€	box	pack
2895 12	1/2"		1	50
2895 34	3/4"		1	50
2895 1	1		1	50

Water hammer arrester for installation under wash-basin or on the washing machine connection.

- Body made of CW617N brass
- Male connection and swiveling nut
- Sealing gasket
- Max. pressure: 50 bar
- Nominal pressure: 10 bar
- Max. working temperature: 90°C



ART. 2896

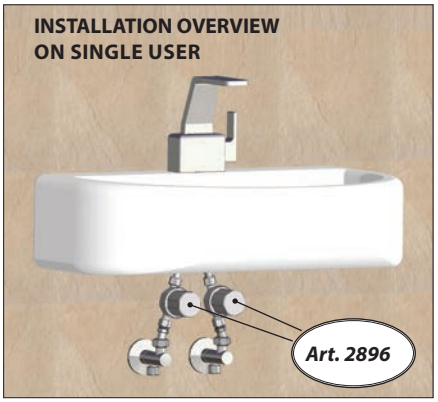
Code	size	€	box	pack
2896 38	3/8"		1	50
2896 34	3/4"		1	50

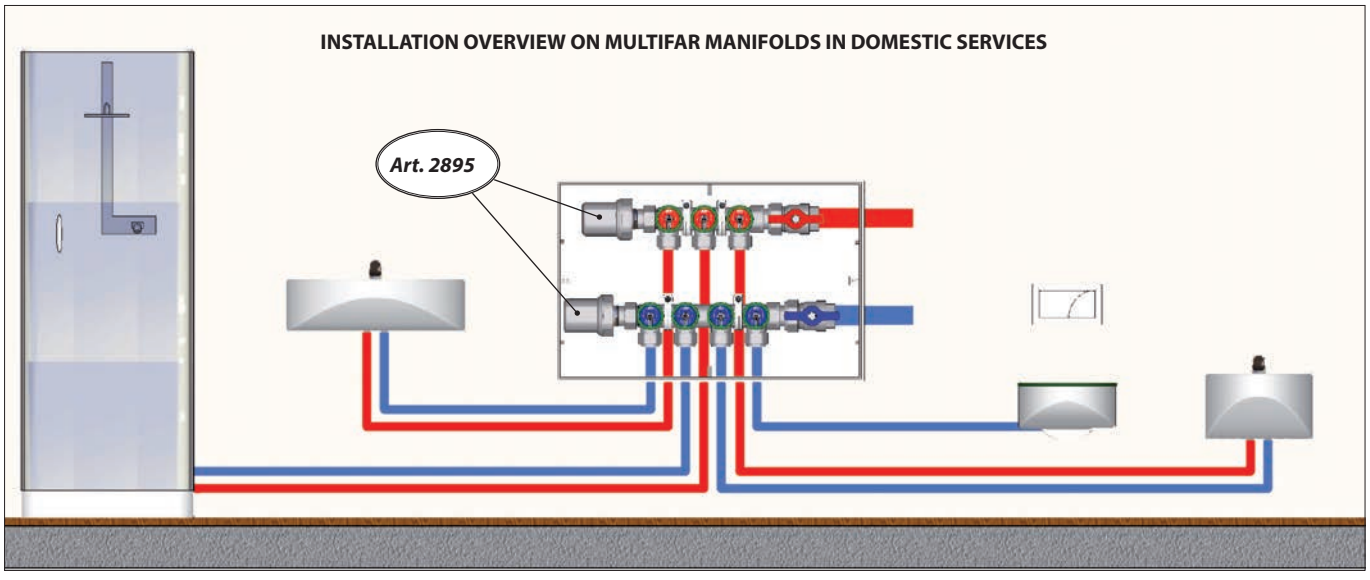


The phenomenon of water hammer occurs when a device (such as a tap or a mixer, etc.) is suddenly opened or closed, creating harmful overpressures inside the system

The FAR water hammer arrester incorporates a steel spring connected to a plastic disc with double O-ring seal, which opposes the fluid force and absorbs much of the excess pressure. As a result, the overpressures are mitigated so that the correct operation of the components in the system is maintained.

It is recommended that the water hammer arrester is installed directly on each circuit (e.g. ball valves, domestic services, electrovalves,etc..), or placed on the distribution manifold.



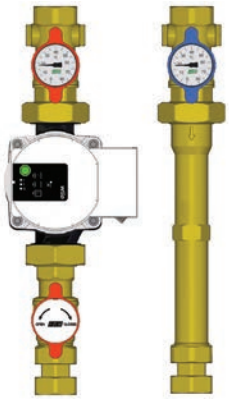


TEMPERATURE GAUGE HOLDER BALL BALVE

FAR temperature gauge holder ball valves for heating systems and domestic hot water services are available in brass or chrome-plated versions, with red or blue handle, according to the application. A temperature gauge can be installed inside the handle.
The wide range of available connections allows this valve to be installed with most types of pipework.

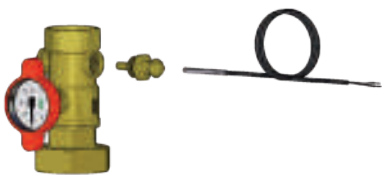
Installation

The valves are suitable for installation on heating or domestic hot water systems. Their function is to isolate the circuits, while also displaying the temperature of the circulating fluid in the system.

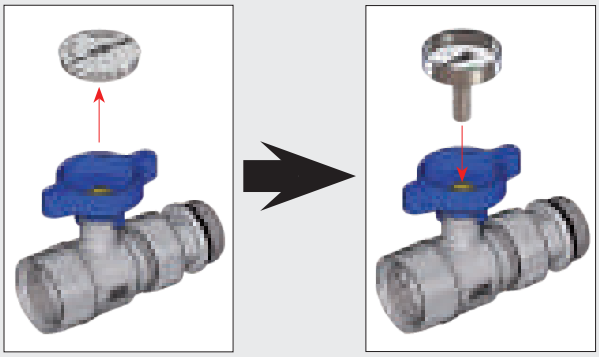


1"1/2 valves are useful for connection to circulators.

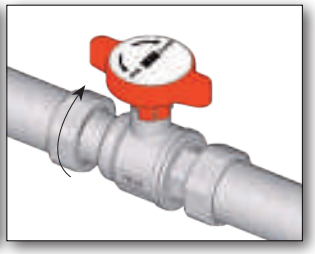
Where ball valves with a lateral connection are used on system equipped with a mixing unit, it is possible to use a delivery temperature probe complete with seat in order to effect a fixed point or climatic regulation.



To install the temperature gauge, firstly remove the white cover from the centre of the valve handle and insert the gauge.



Valves with double swivel nut allow the handle to be fixed to suit your needs. Once you have chosen the position, simply screw the cap to the pipe.



Temperature gauge holder ball valves are also available with press-fit connection for multilayer pipe.



TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3051



ART. 3052

Code	size	handle	€	box	pack
3051 34B	3/4"F x 3/4"M	blue		5	50
3051 34R	3/4"F x 3/4"M	red		5	50
3051 134B	1"F x 3/4"M	blue		5	50
3051 134R	1"F x 3/4"M	red		5	50
3051 1B	1"F x 1"M	blue		5	50
3051 1R	1"F x 1"M	red		5	50
3052 34B	3/4"F x 3/4"M	blue		5	50
3052 34R	3/4"F x 3/4"M	red		5	50
3052 134B	1"F x 3/4"M	blue		5	50
3052 134R	1"F x 3/4"M	red		5	50
3052 1B	1"F x 1"M	blue		5	50
3052 1R	1"F x 1"M	red		5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3053



ART. 3054

Code	size	Ø nut	handle	€	box	pack
3053 134B	3/4"	1"	blue		5	50
3053 134R	3/4"	1"	red		5	50
3053 1B	1"	1"	blue		5	50
3053 1R	1"	1"	red		5	50
3054 134B	3/4"	1"	blue		5	50
3054 134R	3/4"	1"	red		5	50
3054 1B	1"	1"	blue		5	50
3054 1R	1"	1"	red		5	50

1 TEMPERATURE GAUGE HOLDER BALL VALVES

TEMPERATURE GAUGE HOLDER ball valve, complete with double swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3055



ART. 3056

Code	size	handle	€	box	pack
3055 34B	3/4"F x 3/4"F	blue		5	50
3055 34R	3/4"F x 3/4"F	red		5	50
3055 134B	1"F x 3/4"F	blue		5	50
3055 134R	1"F x 3/4"F	red		5	50
3055 1B	1"F x 1"F	blue		5	50
3055 1R	1"F x 1"F	red		5	50
3055 1121B	1"F x 1"1/2F	blue		5	50
3055 1121R	1"F x 1"1/2F	red		5	50
3056 34B	3/4"F x 3/4"F	blue		5	50
3056 34R	3/4"F x 3/4"F	red		5	50
3056 134B	1"F x 3/4"F	blue		5	50
3056 134R	1"F x 3/4"F	red		5	50
3056 1B	1"F x 1"F	blue		5	50
3056 1R	1"F x 1"F	red		5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with pump connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 3059



ART. 3060

Code	size	handle	€	box	pack
3059 1B	1"F x 1"1/2 F	blue		5	50
3059 1R	1"F x 1"1/2 F	red		5	50
3060 1B	1"F x 1"1/2 F	blue		5	50
3060 1R	1"F x 1"1/2 F	red		5	50

TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5942



ART. 5943

Code	size	handle	Ø pipe	€	box	pack
59422003	1"	blue	20x2		4	40
59422004	1"	red	20x2		4	40
59422601	3/4"	blue	26x3		4	40
59422602	3/4"	red	26x3		4	40
59422603	1"	blue	26x3		4	40
59422604	1"	red	26x3		4	40
59423201	3/4"	blue	32x3		4	40
59423202	3/4"	red	32x3		4	40
59423203	1"	blue	32x3		4	40
59423204	1"	red	32x3		4	40
59432003	1"	blue	20x2		4	40
59432004	1"	red	20x2		4	40
59432601	3/4"	blue	26x3		4	40
59432602	3/4"	red	26x3		4	40
59432603	1"	blue	26x3		4	40
59432604	1"	red	26x3		4	40
59433201	3/4"	blue	32x3		4	40
59433202	3/4"	red	32x3		4	40
59433203	1"	blue	32x3		4	40
59433204	1"	red	32x3		4	40

TEMPERATURE GAUGE HOLDER ball valve, complete with pump connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5946



ART. 5947

Code	size	handle	Ø pipe	€	box	pack
59462601	1"1/2	blue	26x3		5	50
59462602	1"1/2	red	26x3		5	50
59463201	1"1/2	blue	32x3		5	50
59463202	1"1/2	red	32x3		5	50
59472601	1"1/2	blue	26x3		5	50
59472602	1"1/2	red	26x3		5	50
59473201	1"1/2	blue	32x3		5	50
59473202	1"1/2	red	32x3		5	50

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 5944



ART. 5945

Code	size	handle	Ø pipe	€	box	pack
59442001	1"	blue	20x2		5	50
59442002	1"	red	20x2		5	50
59442003	3/4"	blue	20x2		5	50
59442004	3/4"	red	20x2		5	50
59442601	1"	blue	26x3		5	50
59442602	1"	red	26x3		5	50
59442603	3/4"	blue	26x3		5	50
59442604	3/4"	red	26x3		5	50
59443201	1"	blue	32x3		5	50
59443202	1"	red	32x3		5	50
59444001	1"	blue	40x3,5		5	50
59444002	1"	red	40x3,5		5	50
59452001	1"	blue	20x2		5	50
59452002	1"	red	20x2		5	50
59452003	3/4"	blue	20x2		5	50
59452004	3/4"	red	20x2		5	50
59452601	1"	blue	26x3		5	50
59452602	1"	red	26x3		5	50
59452603	3/4"	blue	26x3		5	50
59452604	3/4"	red	26x3		5	50
59453201	1"	blue	32x3		5	50
59453202	1"	red	32x3		5	50
59454001	1"	blue	40x3,5		5	50
59454002	1"	red	40x3,5		5	50

Brass connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N printed brass
- Spare parts for arts. 3051 - 5942



ART. 8313

Code	size	€	box
8313 134	1"x 3/4"		1
8313 1	1"x 1"		1

Chrome-plated connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N printed brass
- Spare parts for arts. 3052 - 5943



ART. 8323

Code	size	€	box
8323 134	1"x 3/4"		1
8323 1	1"x 1"		1

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240

TEMPERATURE GAUGE HOLDER BALL VALVES

Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PTFE inner seats
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar
- Connections: female-female



ART. 3048

Code	size	handle	€	box	pack
3048 1B	1"	blue		1	-
3048 1R	1"	red		1	-

Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PTFE inner seats
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar
- Connections: male-female



ART. 3049

Code	size	handle	€	box	pack
3049 1B	1"	blue		1	-
3049 1R	1"	red		1	-

Manual ball valve complete with temperature gauge (art. 2651), brass version.
- Valve boby and ball in stamped CW617N brass
- Chrome-plated ball
- PTFE inner seats
- 1"1/2 - 2" swiveling nut
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar



ART. 3045

Code	size	handle	€	box	pack
3045 1B	1"x1"1/2	blue		1	-
3045 1R	1"x1"1/2	red		1	-
3045 114B	1"1/4x2"	blue		1	-
3045 114R	1"1/4x2"	red		1	-

Manual ball valve complete with temperature gauge (art. 2651), chrome-plated version.
- Valve body and ball in stamped CW617N brass
- Chrome-plated ball
- PTFE inner seats
- 1"1/2 - 2" swiveling nut
- EPDM sealing O-ring
- 3/8" lateral caps can be removed for sensor seating installation
- Temperature gauge scale: 0÷80°C
- Nominal pressure: 16 bar



ART. 3046

Code	size	handle	€	box	pack
3046 1B	1"x1"1/2	blue		1	-
3046 1R	1"x1"1/2	red		1	-
3046 114B	1"1/4x2"	blue		1	-
3046 114R	1"1/4x2"	red		1	-

Brass shut-off ball valve complete with union.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female



ART. 3079

Code	size	handle	€	box	pack
3079 12B	1/2"F x 1/2"M	blue		5	50
3079 12R	1/2"F x 1/2"M	red		5	50
3079 34B	3/4"F x 3/4"M	blue		5	50
3079 34R	3/4"F x 3/4"M	red		5	50
3079 1B	1"F x 1"M	blue		5	50
3079 1R	1"F x 1"M	red		5	50

Chrome-plated shut-off ball valve complete with union.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female



ART. 3079C

Code	size	handle	€	box	pack
3079 12BC	1/2"F x 1/2"M	blue		5	50
3079 12RC	1/2"F x 1/2"M	red		5	50
3079 34BC	3/4"F x 3/4"M	blue		5	50
3079 34RC	3/4"F x 3/4"M	red		5	50
3079 1BC	1"F x 1"M	blue		5	50
3079 1RC	1"F x 1"M	red		5	50

Brass shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3036

Code	size	handle	€	box	pack
3036 12B	1/2"F x 1/2"F	blue		5	50
3036 12R	1/2"F x 1/2"F	red		5	50
3036 34B	3/4"F x 3/4"F	blue		5	50
3036 34R	3/4"F x 3/4"F	red		5	50

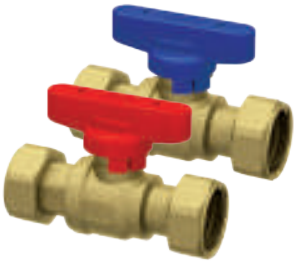
Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3036C

Code	size	handle	€	box	pack
3036 12BC	1/2"F x 1/2"F	blue		5	50
3036 12RC	1/2"F x 1/2"F	red		5	50
3036 34BC	3/4"F x 3/4"F	blue		5	50
3036 34RC	3/4"F x 3/4"F	red		5	50

Brass shut-off ball valve complete with swiveling nuts.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female

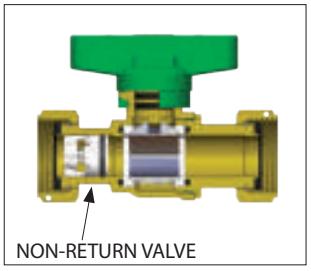


ART. 3037

Code	Ø nuts	handle	€	box	pack
3037 12B	3/4"	blue		5	50
3037 12R	3/4"	red		5	50

Brass shut-off ball valve complete with swiveling nuts.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female





ART. 3037

Code	Ø nuts	handle	€	box	pack
3037 12V	3/4"	green		5	50

Brass shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female

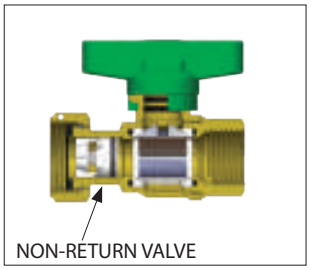


ART. 3047

Code	size	Ø nut	handle	€	box	pack
3047 12B	1/2"	3/4"	blue		5	50
3047 12R	1/2"	3/4"	red		5	50
3047 3434B	3/4"	3/4"	blue		5	50
3047 3434R	3/4"	3/4"	red		5	50
3047 134B	3/4"	1"	blue		5	50
3047 134R	3/4"	1"	red		5	50

Brass shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Female-Female





ART. 3047

Code	size	Ø nut	handle	€	box	pack
3047 12V	1/2"	3/4"	green		5	50
3047 134V	3/4"	1"	green		5	50

Brass shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Male-Female

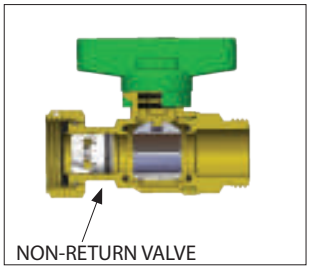


ART. 3034

Code	size	Ø nut	handle	€	box	pack
3034 34B	3/4"	3/4"	blue		5	50
3034 34R	3/4"	3/4"	red		5	50

Brass shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Connections: Male-Female





ART. 3034

Code	size	Ø nut	handle	€	box	pack
3034 34V	3/4"	3/4"	green		5	50

Chrome-plated shut-off ball valve complete with swiveling nuts.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

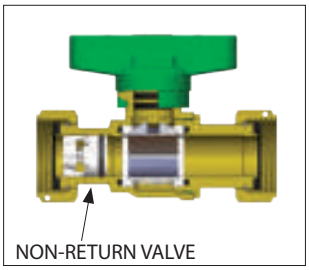


ART. 3037C

Code	Ø nuts	handle	€	box	pack
3037 12BC	3/4"	blue		5	50
3037 12RC	3/4"	red		5	50

Chrome-plated shut-off ball valve complete with swiveling nuts.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female





ART. 3037C

Code	Ø nuts	handle	€	box	pack
3037 12VC	3/4"	green		5	50

Chrome-plated shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female

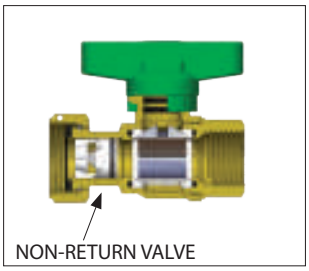


ART. 3047C

Code	size	Ø nut	handle	€	box	pack
3047 12BC	1/2"	3/4"	blue		5	50
3047 12RC	1/2"	3/4"	red		5	50
3047 3434BC	3/4"	3/4"	blue		5	50
3047 3434RC	3/4"	3/4"	red		5	50
3047 134BC	3/4"	1"	blue		5	50
3047 134RC	3/4"	1"	red		5	50

Chrome-plated shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female





ART. 3047C

Code	size	Ø nut	handle	€	box	pack
3047 12VC	1/2"	3/4"	green		5	50
3047 134VC	3/4"	1"	green		5	50

Chrome-plated shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female

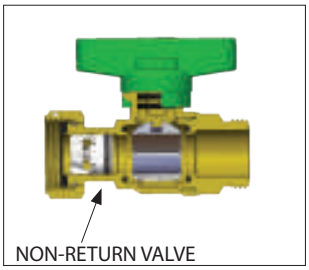


ART. 3034C

Code	size	Ø nut	handle	€	box	pack
3034 34BC	3/4"	3/4"	blue		5	50
3034 34RC	3/4"	3/4"	red		5	50

Chrome-plated shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- **Internal non-return valve**
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female





ART. 3034C

Code	size	Ø nut	handle	€	box	pack
3034 34VC	3/4"	3/4"	green		5	50

Brass angled shut-off ball valve.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male
- Male connection: eurokonus with flat faced insert



ART. 3096

Code	size	handle	€	box	pack
3096 3412B	3/4"M x 1/2"M	blue		5	50
3096 3412R	3/4"M x 1/2"M	red		5	50

Chrome-plated angled shut-off ball valve.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male
- Male connection: eurokonus with flat faced insert



ART. 3096C

Code	size	handle	€	box	pack
3096 3412BC	3/4"M x 1/2"M	blue		5	50
3096 3412RC	3/4"M x 1/2"M	red		5	50

Brass angled shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female
- Male connection: eurokonus with flat faced insert



ART. 3098

Code	size	Ø nut	handle	€	box	pack
3098 34B	3/4"	3/4"	blue		5	50
3098 34R	3/4"	3/4"	red		5	50

Chrome-plated angled shut-off ball valve complete with swiveling nuts.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female
- Male connection: eurokonus with flat faced insert



ART. 3098C

Code	size	Ø nut	handle	€	box	pack
3098 34BC	3/4"	3/4"	blue		5	50
3098 34RC	3/4"	3/4"	red		5	50

Brass angled shut-off ball valve complete with double swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3099

Code	size	Ø nut	handle	€	box	pack
3099 34B	3/4"	3/4"	blue		5	50
3099 34R	3/4"	3/4"	red		5	50

Chrome-plated angled shut-off ball valve complete with double swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Female-Female



ART. 3099C

Code	size	Ø nut	handle	€	box	pack
3099 34BC	3/4"	3/4"	blue		5	50
3099 34RC	3/4"	3/4"	red		5	50

Brass shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Male



ART. 3067

Code	size	handle	€	box	pack
3067 34B	3/4"	blue		5	50
3067 34R	3/4"	red		5	50

Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Male



ART. 3067C

Code	size	handle	€	box	pack
3067 34BC	3/4"	blue		5	50
3067 34RC	3/4"	red		5	50

Brass shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female



ART. 3097

Code	size	handle	€	box	pack
3097 12B	1/2"	blue		5	50
3097 12R	1/2"	red		5	50
3097 34B	3/4"	blue		5	50
3097 34R	3/4"	red		5	50
3097 1B	1"	blue		5	50
3097 1R	1"	red		5	50

Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: Male-Female



ART. 3097C

Code	size	handle	€	box	pack
3097 12BC	1/2"	blue		5	50
3097 12RC	1/2"	red		5	50
3097 34BC	3/4"	blue		5	50
3097 34RC	3/4"	red		5	50
3097 1BC	1"	blue		5	50
3097 1RC	1"	red		5	50

Manual ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Nominal pressure: 16bar
- Max. working temperature: 95°C



ART. 5952

Code	size	handle	Ø pipe	€	box	pack
59522001	1"	blue	20x2		5	50
59522002	1"	red	20x2		5	50

Manual ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Nominal pressure: 16bar
- Max. working temperature: 95°C



ART. 5953

Code	size	handle	Ø pipe	€	box	pack
59532001	1"	blue	20x2		5	50
59532002	1"	red	20x2		5	50

Shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: female-female
- Complete with blue and red plugs



ART. 3036M

Code	size	finish	€	box	pack
3036 M12	1/2"F x 1/2"F	brass		5	50
3036 M12C	1/2"F x 1/2"F	chrome		5	50
3036 M34	3/4"F x 3/4"F	brass		5	50
3036 M34C	3/4"F x 3/4"F	chrome		5	50

Shut-off ball valve with union.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: male-female
- Complete with blue and red plugs



ART. 3079M

Code	size	finish	€	box	pack
3079 M12	1/2"F x 1/2"M	brass		5	50
3079 M12C	1/2"F x 1/2"M	chrome		5	50
3079 M34	3/4"F x 3/4"M	brass		5	50
3079 M34C	3/4"F x 3/4"M	chrome		5	50
3079 M1	1"F x 1"M	brass		5	50
3079 M1C	1"F x 1"M	chrome		5	50

Shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: male-male
- Complete with blue and red plugs



ART. 3067M

Code	size	finish	€	box	pack
3067 M34	3/4"	brass		5	50
3067 M34C	3/4"	chrome		5	50

Shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: male-female
- Complete with blue and red plugs



ART. 3097M

Code	size	finish	€	box	pack
3097 M12	1/2"	brass		5	50
3097 M12C	1/2"	chrome		5	50
3097 M34	3/4"	brass		5	50
3097 M34C	3/4"	chrome		5	50

Black spare handle complete with blue and red plugs.



ART. 8144

Code	€	box	pack
8144		1	-

Chrome-plated shut-off ball valve complete with swiveling nut.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: with 3/4" swiveling nut
- Interchangeable connection for copper, plastic and multilayer pipe



ART. 3035C

Code	size	handle	€	box	pack
3035 34BC	3/4"	blue		10	-
3035 34RC	3/4"	red		10	-

Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: 1/2" female
- Interchangeable connection for copper, plastic and multilayer pipe



ART. 3038C

Code	size	handle	€	box	pack
3038 12BC	1/2"	blue		10	-
3038 12RC	1/2"	red		10	-

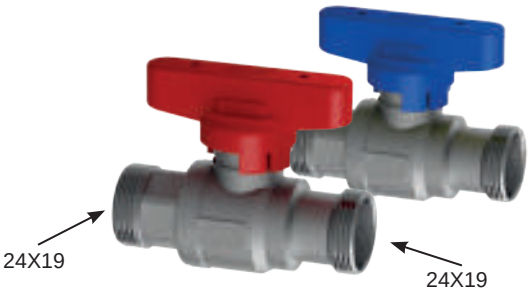
Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Connections: 1/2" male
- Interchangeable connection for copper, plastic and multilayer pipe



ART. 3041C

Code	size	handle	€	box	pack
3041 12BC	1/2"	blue		10	-
3041 12RC	1/2"	red		10	-

Chrome-plated shut-off ball valve.
- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 16bar
- Max. working temperature: 95°C
- Interchangeable connection for copper, plastic and multilayer pipe



ART. 3043C

Code	size	handle	€	box	pack
3043 12BC	1/2"	blue		10	-
3043 12RC	1/2"	red		10	-



Components for renewable energy systems 02

Components for heat pumps	
• ANGEL❄ - Antifreeze valve	97
• Dirt separators and Deaerators	98
• FARPRO - High-performance deaerator	99
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Components for solid fuel systems	
• Booster unit - Automatic smoke damper	115
• Anti-condensation valve	116
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• Fittings	117

Antifreeze valve.

- Body made of CW617N brass
- Finish: nickel plated
- Max. working pressure: 10 bar
- Operating temperature range: 0–90 °C
- Opening temperature: 3 °C
- Usable media: water
- Side connections: male-male
- Connections sizes: 1"-1"1/4-1"1/2



ART. 2900 ANGEL

Code	size	€	box	pack
2900 1	1"		1	40
2900 114	1"1/4		1	25
2900 112	1"1/2		1	25

Antifreeze valve with swiveling nut.

- Body made of CW617N brass
- Finish: nickel plated
- Max. working pressure: 10 bar
- Operating temperature range: 0–90 °C
- Opening temperature: 3 °C
- Usable media: water
- Side connections: male-female
- Connections sizes: 1"-1"1/4
- PDM gasket



new

ART. 2901 ANGEL

Code	size	€	box	pack
2901 1	1"		1	40
2901 114	1"1/4		1	25

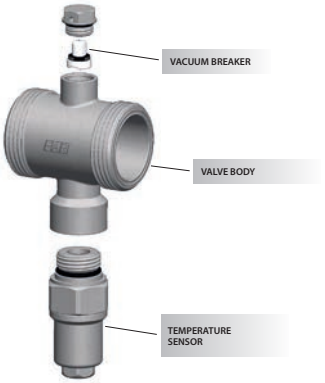
Spare cartridge with thermostatic sensor for antifreeze valve.

new

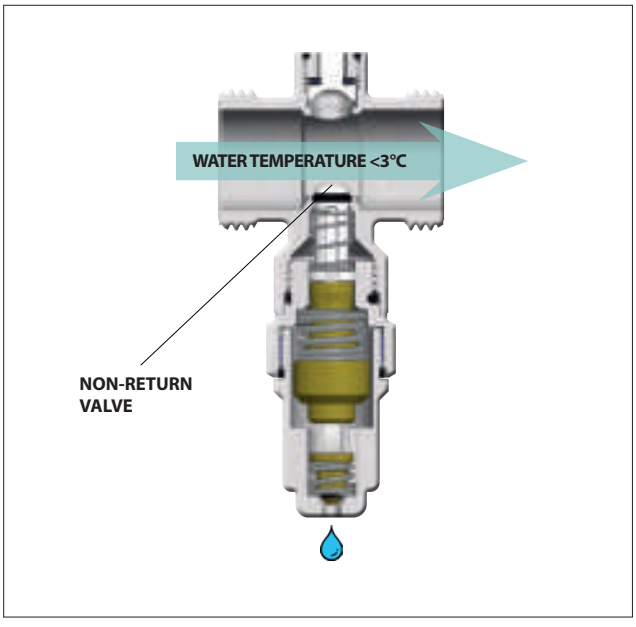


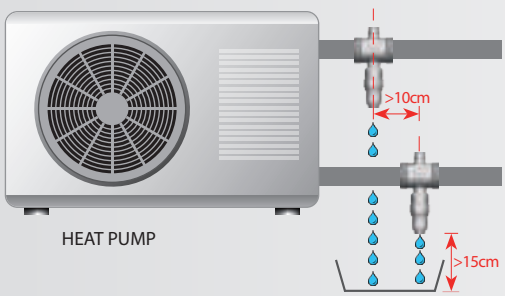
ART. 2902

Code	€	box	pack
2902		1	5



The FAR antifreeze valve is installed outdoors in a vertical position on the piping of heating/cooling systems with a heat pump.





For a heat pump with an outdoor unit, the water in the piping can be connected with the indoor unit. During use in the wintertime, where outside temperatures can drop very low, this water can freeze compromising the operation of the system or causing breakages. The valve is activated through an internal sensor at a temperature of approximately 3°C, which opens a small hole allowing water to drip out towards the outside environment.

The valve must be installed in a position that ensures drainage of the water, preventing blocks of ice from forming. A clearance of approximately 15-20 cm from the ground is sufficient. When positioning the antifreeze valve, the position of the delivery pipe with respect to the return pipe must also be considered, trying to offset the position of the two pipes and separating them from each other.

Swiveling dirt separator for heating systems, complete with magnetic inserts for ferrous particles removal.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Removable magnetic insert**
- **Patented**



ART. 2213

Code	size	Kv [m³/h]	€	box	pack
2213 34	3/4"	10,2		1	15
2213 1	1"	11,2		1	15
2213 114	1"1/4	13,9		1	15
2213 112	1"1/2	24,3		1	-
2213 2	2"	25		1	-

SMART - Chrome-plated swiveling dirt separator for heating systems, complete with magnetic insert for ferrous particles removal.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Drain cock for dirt removal
- Nominal pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Removable magnetic insert**
- **Patented**



ART. 2282 Smart

Code	size	Kv [m³/h]	€	box	pack
2282 34	3/4"	6,8		1	6
2282 1	1"	7,5		1	6

Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Patented**



ART. 2263

Code	size	Kv [m³/h]	€	box	pack
2263 34	3/4"	10,2		1	15
2263 1	1"	12		1	15
2263 114	1"1/4	13,9		1	15
2263 112	1"1/2	24,3		1	-
2263 2	2"	25		1	-

DISMART - Swiveling deaerator for heating systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Connection to 1/2" upper part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Supplied with PE pre-formed anti-condensation insulation
- **Patented**



ART. 2264 DiSmart

Code	size	Kv [m³/h]	€	box	pack
2264 34	3/4"	6,8		1	15
2264 1	1"	7,5		1	15

Deaerator for heat pumps.

- Body made of CB753S brass
- Connections to pipelines: F-F
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Extra connection for safety valve: 1/2"
- High discharge performance
- Supplied with PE pre-formed anti-condensation insulation
- **Patent Pending**



new

ART. 2296 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2296 114	1"1/4	35		1	6

- Deaerator for heat pumps.
- Body made of CB753S brass
- Connections to pipelines: M-M
- Connection to 1/2" lower part with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C
- Extra connection for safety valve: 1/2"
- High discharge performance
- Supplied with PE pre-formed anti-condensation insulation
- **Patent Pending**



new

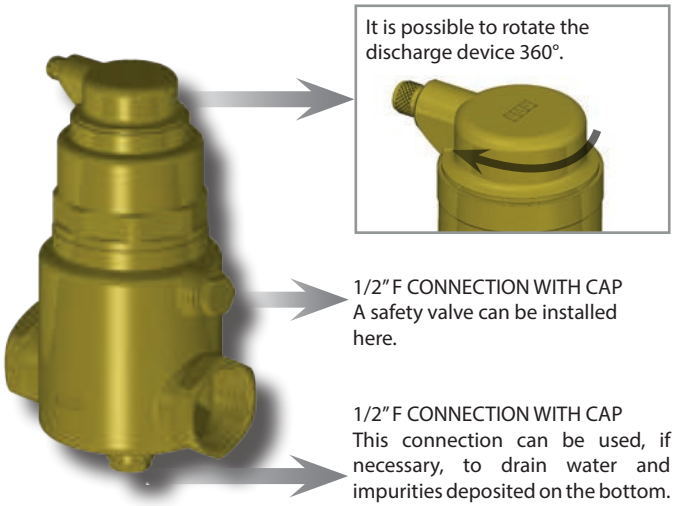
ART. 2297 FARPRO

Code	size	Kv [m³/h]	€	box	pack
2297 112	1"1/2	35		1	6

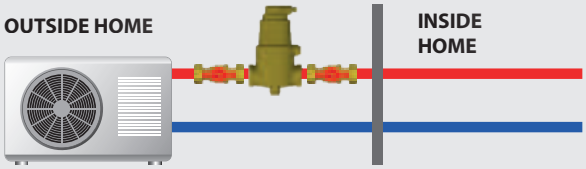
Inside the deaerator there is a chamber that creates a strong reduction in the fluid velocity.
This velocity reduction decreases the drag force linked to the movement of the fluid and facilitates the separation of air.
Inside this chamber there is a cartridge arranged transversely to the fluid direction, which slows down and stops the movement of the bubbles, promoting their elimination.
The cartridge is structured so that every air particle in the water encounters an obstacle causing loss of kinetic energy, with the consequent rise of bubbles to the top.
To further divert the flow, the vertical bars of the cartridge feature fins that guide the particles upwards.

The ideal positioning of the deaerator is on the supply pipe, immediately after the heat pump, where the fluid temperature is highest. This is because during the water heating phase microbubbles form which can damage components or cause malfunctions.

Ensure that the deaerator is installed outside the house so that any gas leak, in the event of damage to the heat pump heat exchanger, is expelled before entering enclosed spaces. If installed indoors, adequate ventilation must be provided to remove the gas. For this purpose, it may be useful to install a safety valve on the deaerator/gas separator in place of the side plug.



INSTALLATION INSTRUCTIONS FOR HEAT PUMP SYSTEMS



It is recommended to install the deaerator between two shut-off valves to allow maintenance.

SMALL - 3-point actuator with manual release for zone control ball valves.

- External connection cable length: 1 m.
- Power supply: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection rating: IP54



ART. 3004

Code	voltage	opening time	€	box	pack
3004 08	230V	8 s		1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Power supply: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection rating: IP54



ART. 3007

Code	voltage	opening time	€	box	pack
3007 08	230V	8 s		1	30

Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation

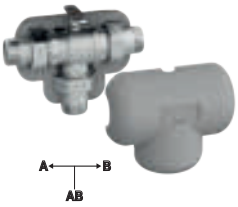


ART. 3015CT

Code	size	Kv [m³/h]	€	box	pack
3015 12CT	1/2"	7,1		1	-
3015 34CT	3/4"	16,8		1	-
3015 1CT	1"	25,6		1	-
3015 114CT	1"1/4	55,2		1	-

Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation



ART. 3020CT

Code	size	Kv [m³/h]	€	box	pack
3020 12CT	1/2"	4,5		1	-
3020 34CT	3/4"	9,9		1	-
3020 1CT	1"	13,7		1	-
3020 114CT	1"1/4	25,5		1	-

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation

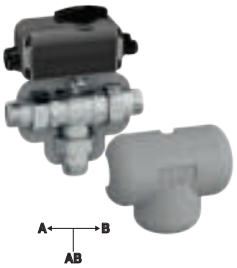


ART. 303915CT

Code	size	Kv [m³/h]	opening time	€	box	pack
303915 11230CT	1"1/2	79,4	30 s		1	-
303915 230CT	2"	136,2	30 s		1	-

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow
- Supplied with PE pre-formed anti-condensation insulation



ART. 303920CT

Code	size	Kv [m³/h]	opening time	€	box	pack
303920 11230CT	1"1/2	40,8	30 s		1	-
303920 230CT	2"	64,8	30 s		1	-

Inertial storage tank for heat pump.
Designed to combine the functions of an inertial tank, hydraulic separator and a distribution manifold into one component.
It makes the most of the space with is compact size.
It is right/left reversible and can be wall mounted.

- Available in 40L and 80L versions
- Complete with PE insulation
- Complete with wall brackets
- Heat pump side connections 1"1/4M
- System side connections 1"M
- Max. pressure: 4bar
- Max. temperature: 95°C
- Compatible fluids: water with or without glycol

Complete with:

- temperature gauge
- automatic air vent valve with non-return valve
- magnetic insert with discharge valve
- expansion vessel connection
- set up for the connection of max. 2 booster units
- set up for support heating elements



ART. 2157

Code	capacity	€	box	pack
2157 40	40 l		1	-
2157 80	80 l		1	-

Optional electrical heating kit with temperature control.

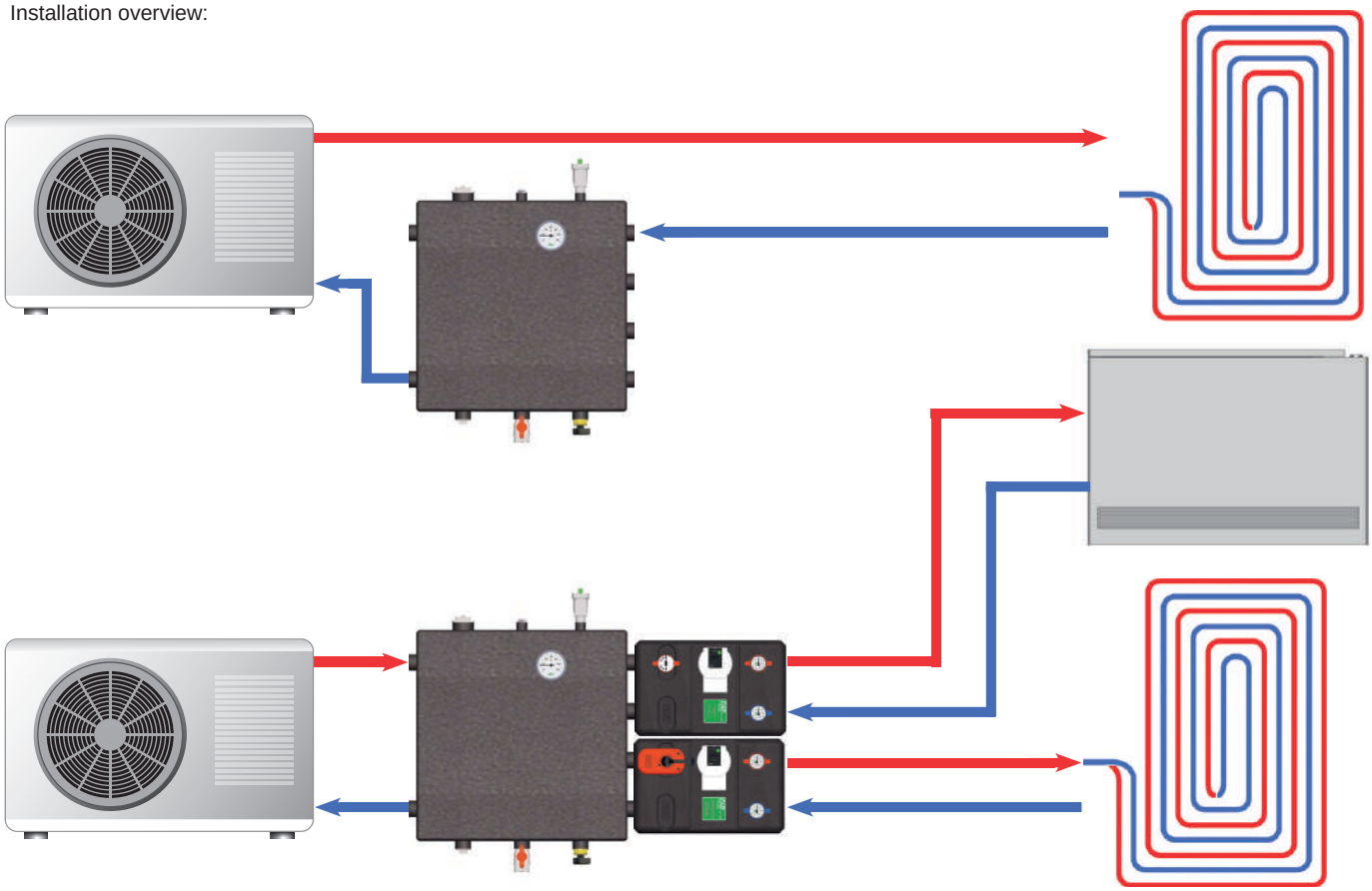
- Adjustable thermostat
- Overheating protection
- Connection 1"1/2M
- Art. 2158 01 Power supply 230V - Power 2000W
- Art. 2158 02 Power supply 400V - Power 3000W



ART. 2158

Code	voltage	power	€	box	pack
2158 01	230 V			1	-
2158 02	400 V			1	-

Installation overview:



Direct booster unit for cooling and heating systems complete with:

- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PE insulation

• Connections centre distance: 125 mm



ART. 2187

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2187 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2187 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2187 1130E9		9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2187 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1

Booster unit for cooling and heating systems complete with:

- reversible mixing valve
- 3-point actuator 230V 50Hz
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PE insulation

• Connections centre distance: 125 mm



ART. 2188

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2188 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2188 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2188 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2188 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1

Booster unit for cooling and heating systems complete with:

- Reversible mixing valve with **0-10V actuator**
- high efficiency pump
- shut-off valves
- No. 2 temperature gauges with 0 ÷ 80°C scale
- PE insulation

• Connections centre distance: 125 mm
• Actuator power supply: 24V - 50Hz



ART. 2189

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2189 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2189 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2189 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2189 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1

Pre-assembled unit for mixed underfloor heating and cooling systems with fan coil, complete with:

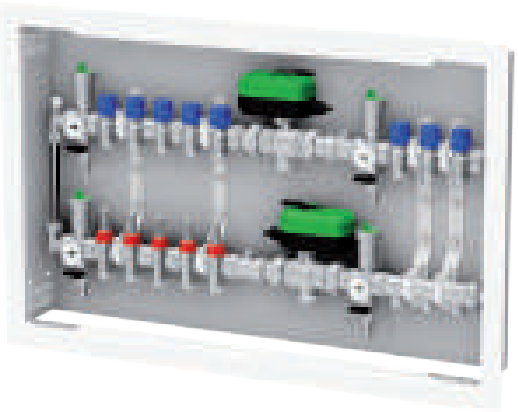
- painted sheet steel wall box
- three-way zone valves with 230 V actuator, opening time 40 seconds
- main connection with 2-piece 1"M fittings

Underfloor heating side

- supply manifold with interchangeable connections for copper, plastic and multilayer pipes with 0-5 l/min flowmeters
- return manifold with interchangeable connections for copper, plastic and multilayer pipes with shut-off valves
- flow and return temperature gauge, by-pass kit
- automatic air vent valves, filling and drain cocks

Fan coil system side

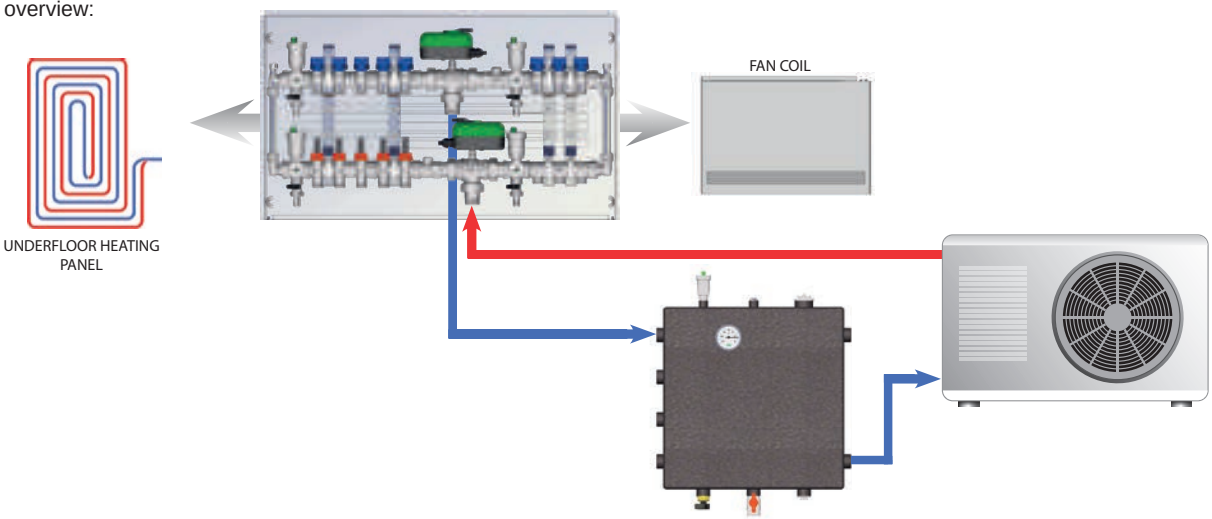
- supply manifold with interchangeable connections for copper, plastic and multilayer pipe
- return manifold with interchangeable connections for copper, plastic and multilayer pipes with shut-off valves
- flow and return temperature gauge, by-pass kit
- automatic air vent valves, filling and drain cocks



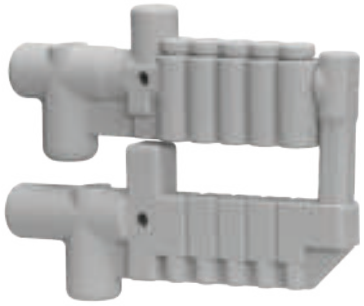
ART. 3572

Code	floor outlets	fan coil outlets	box sizes	€	box
3572 10502	5	2	800 x 450 x 110		1
3572 10602	6	2	800 x 450 x 110		1
3572 10702	7	2	1000 x 450 x 110		1
3572 10802	8	2	1000 x 450 x 110		1
3572 10902	9	2	1000 x 450 x 110		1
3572 11002	10	2	1000 x 450 x 110		1
3572 11102	11	2	1200 x 450 x 110		1
3572 10503	5	3	800 x 450 x 110		1
3572 10603	6	3	1000 x 450 x 110		1
3572 10703	7	3	1000 x 450 x 110		1
3572 10803	8	3	1000 x 450 x 110		1
3572 10903	9	3	1000 x 450 x 110		1
3572 11003	10	3	1200 x 450 x 110		1
3572 11103	11	3	1200 x 450 x 110		1
3572 10704	7	4	1000 x 450 x 110		1
3572 10804	8	4	1000 x 450 x 110		1
3572 10904	9	4	1200 x 450 x 110		1
3572 11004	10	4	1200 x 450 x 110		1
3572 11104	11	4	1200 x 450 x 110		1
3572 10805	8	5	1200 x 450 x 110		1
3572 10905	9	5	1200 x 450 x 110		1
3572 11005	10	5	1200 x 450 x 110		1
3572 11105	11	5	1200 x 450 x 110		1

Installation overview:



Insulation for pre-assembled unit, Art.3572, fan coil side (2 -5 outlets)

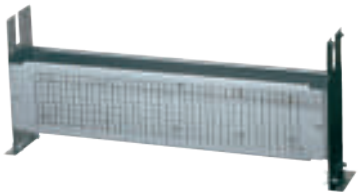


ART. 9308

Code	outlets	size	€	box
9308 105	from 2 to 5	1"		1

NB: If ordered together with the manifold, it can be supplied pre-assembled directly in the box.

Support for underfloor installation.



ART. 7149

Code	size/mm	€	box
7149 80	800x110		1
7149 100	1000x110		1
7149 120	1200x110		1

4-wired thermo-electric actuator with auxiliary micro-switch and selector.

- Chrome-plated ring with M30x1,5 thread
- Connection cable length: 75 cm
- Protection level: IP54

- NC = NORMALLY CLOSED



ART. 1914-1924

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC		1	100
1924	230 V	180 s	NC		1	100

Supply and return booster unit for solar systems complete with:

- high efficiency pump with PWM modulation
- shut-off valves
- temperature gauge with 0÷160°C scale
- PPE insulation
- adjustable flow meter
- service cocks for system loading/washing
- 0÷10 bar pressure gauge
- 6 bar safety valve
- deaerator on the supply circuit
- electronic regulator for modulating pump
- boiler sensor and system sensor

• Connections centre distance: 100 mm
• Connections: 3/4" female



ART. 218M

Code	size	flow meter scale	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
218M 34416	3/4"	4–16 l/min	7m - 0,8m³/h	4m - 2,0m³/h	1"M - 130mm		1	1
218M 34828	3/4"	8–28 l/min	7m - 0,8m³/h	4m - 2,0m³/h	1"M - 130mm		1	1

Return booster unit for solar systems complete with:

- high efficiency pump with PWM modulation
- shut-off valves
- temperature gauge with 0÷160°C scale
- PPE insulation
- adjustable flow meter
- service cocks for system loading/washing
- 0÷10 bar pressure gauge
- 6 bar safety valve
- electronic regulator for modulating pump
- boiler sensor and system sensor

• Connections: 3/4" female

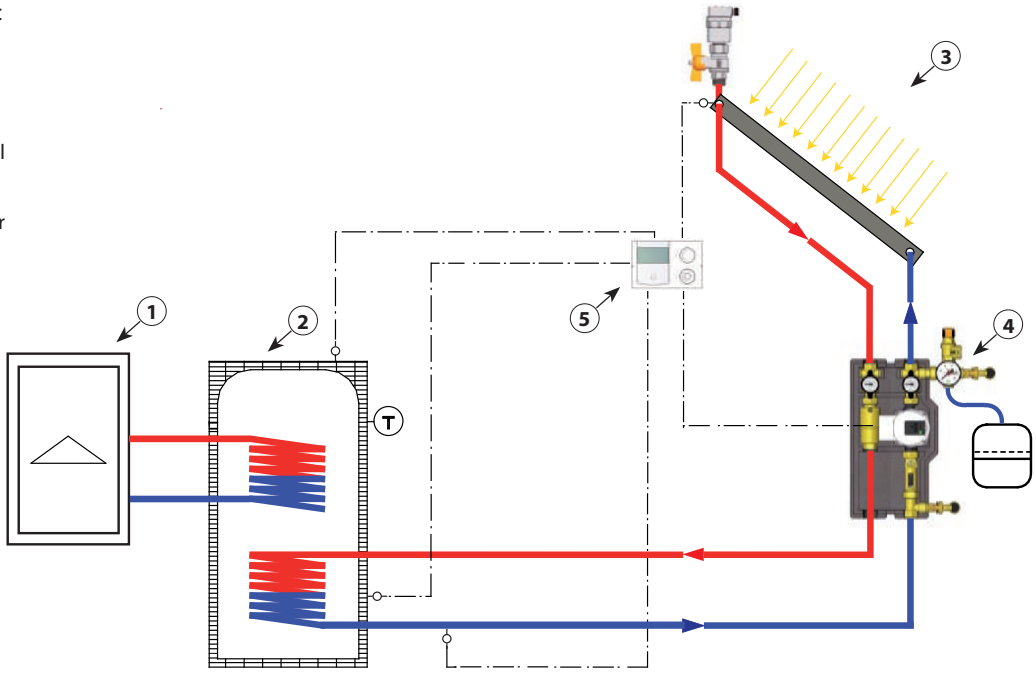


ART. 218R

Code	size	flow meter scale	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
218R 34416	3/4"	4–16 l/min	7m - 0,8m³/h	4m - 2,0m³/h	1"M - 130mm		1	1
218R 34828	3/4"	8–28 l/min	7m - 0,8m³/h	4m - 2,0m³/h	1"M - 130mm		1	1

Installation overview:

1 - Boiler
2 - Solar panel tank
3 - Thermal solar panel
4 - Solar booster unit
5 - Electronic regulator



THERMOSTATIC MIXER



The main purpose of SOLARFAR mixers is to constantly maintain the temperature of the mixed water distributed to system outlets at the set value, even when temperature and pressure of incoming fluids change.

The mixer is equipped with a temperature sensitive sensor, which detects the temperature of the mixed fluid. The sensor is directly immersed into the mixed water, thus ensuring a high degree of accuracy and a quick response. The sensor detects changes in water temperature and adjusts opening and closing of cold and hot water inlets to achieve the right balance and thus the set temperature. In the event of insufficient cold water, the inner cartridge can completely close off the hot water inlet so as to avoid any possibility of scalding.

N.B. in order to increase mixer accuracy, pressure differentials between hot and cold water inlets must be balanced.

HANDLE POSITION	MIN	1	2	3	4	5	MAX
TEMPERATURE °C	30	35	45	50	55	60	65

Valve calibration, i.e. mixed water temperature setting, is carried out manually by turning the graduated handle.

SAFETY VALVE



In order to protect solar panels, a safety valve and an expansion tank should be installed in the circuit. The valve can also be used for protection of any solar tank.
The safety valve limits hot water pressure in such a way as not to exceed the calibrated set limit.
Once this value is reached the valve will discharge a sufficient quantity of water to ensure that pressure is within the limits for correct operation of the system.

In order to achieve proper valve calibration, it is important that calibration pressure plus permitted overpressure does not exceed max. working pressure.
All safety valves are calibrated in our laboratories and it is not possible to change the value without tampering with them.

In the event of a pipeline section being installed on the outlet, the diameter of the discharge pipeline must not be less than that of the outlet fitting and must not prevent the proper operation of the valves. The outlet must be located near the safety valve and be both easily visible and accessible.
To avoid any possibility of impurities being deposited on the shutter, the safety valve must not be installed with the handle downward.

AIR VENT VALVE

The air vent valve has to be installed on closed solar heating systems to automatically vent any air in the circuit, thus ensuring a better heat transfer. Air discharge from the system avoids noise problems arising from imperfect fluid circulation. The valve must be installed at the highest point of the system and in a vertical position in order to guarantee perfect operation.

Normally the cap has to be slightly loose to allow air to escape from the valve through a notch on the male thread. The closing cap is only required in special circumstances, i.e. when the valve does not work properly, in which case it should be closed in order to avoid dripping. Once the air has been removed during system filling, it is necessary to close the shut-off valve located under the air vent valve.



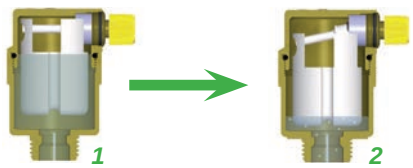
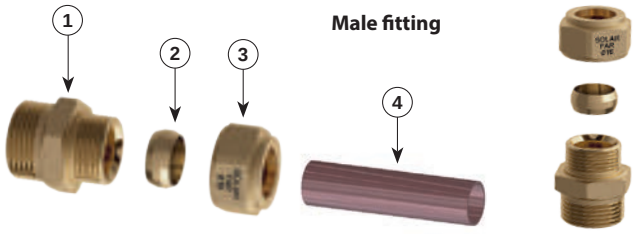


Fig.1 If there is no air in the circuit, water inside the air vent valve keeps the float in such a position as to close the shutter.

Fig.2 The air in the circuit reduces the water level in the air vent valve, thus lowering the float and opening the air discharge.

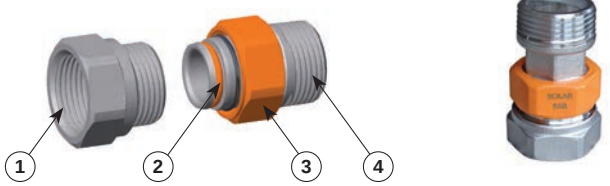
INTERMEDIATE CONNECTIONS

SOLARFAR fittings permit connection of copper and steel pipes in solar systems and have a max. working temperature of 200°C.



Male fitting

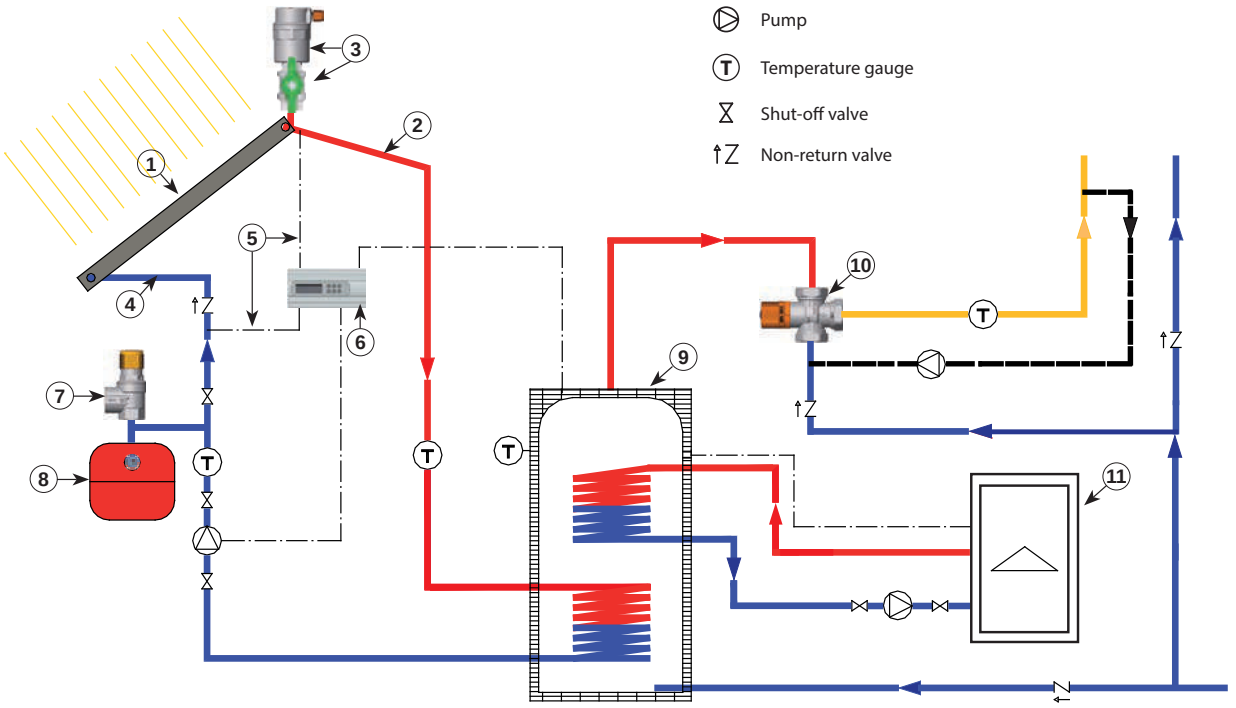
1. CONICAL SEAT
2. REDUCER
3. NUT
4. STEEL OR COPPER PIPE



3-piece connetions

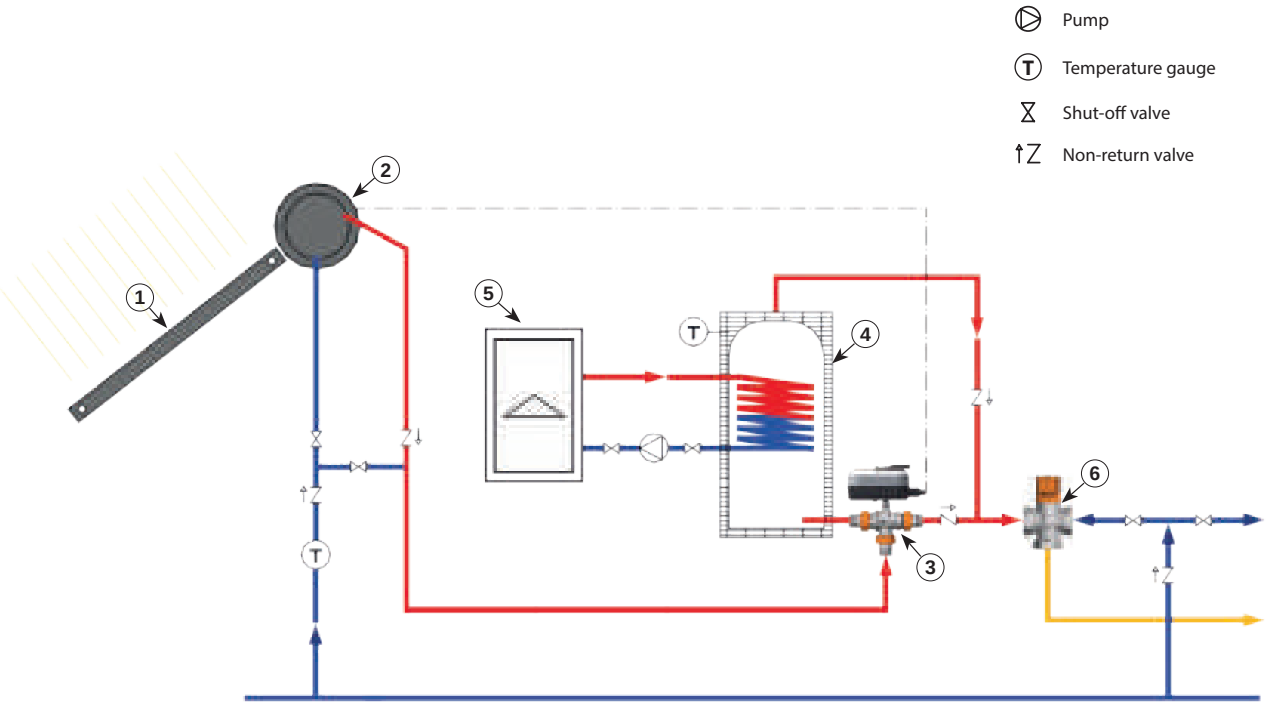
1. FEMALE THREAD BODY
2. SEALING O-RING
3. NUT
4. MALE THREAD BODY

SOLAR SYSTEM WITH FORCED CIRCULATION - INSTALLATION OVERVIEW



1 - Thermal solar panel
2 - Supply pipeline
3 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE
4 - Return pipeline
5 - Temperature probe
6 - Control unit
7 - SOLARFAR SAFETY VALVE
8 - Expansion tank
9 - Tank
10 - SOLARFAR THERMOSTATIC MIXER
11 - Boiler

SOLAR SYSTEM WITH NORMAL CIRCULATION - INSTALLATION OVERVIEW



1 - Thermal solar panel
2 - Panel tank
3 - SOLARFAR DIVERTER VALVE
4 - Tank
5 - Boiler
6 - SOLARFAR THERMOSTATIC MIXER

Chrome-plated thermostatic mixer for solar systems.
- Setting range: 30÷65°C
- Connections: female
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3953

Code	size	€	box	pack
3953 12	1/2"		1	60
3953 34	3/4"		1	60
3953 1	1"		1	60

Chrome-plated thermostatic mixer for solar systems.
- Flat-faced connection for unions
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3954

Code	size	€	box	pack
3954 34	3/4"		1	60
3954 1	1"		1	60

Chrome-plated thermostatic mixer for solar systems.
- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 30÷65°C
- Connections: male
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955

Code	size	€	box	pack
3955 12	1/2"		1	50
3955 34	3/4"		1	20
3955 1	1"		1	20
3955 114	1"1/4		1	18
3955 112	1"1/2		1	10

3-piece connection for solar systems.
- Connections: male-female
- Max. working temperature: 160°C



ART. 5152

Code	size	€	box	pack
5152 34	3/4"		20	200
5152 1	1"		10	100

Chrome-plated thermostatic mixer for solar systems.
- Flat faced connection complete with unions and EPDM GASKET
- Setting range: 30÷65°C
- **Non-return valves on side connections**
- Male connections: complete with unions and gaskets
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3955VR

Code	size	€	box	pack
3955 12VR	1/2"		1	50
3955 34VR	3/4"		1	20
3955 1VR	1"		1	20

Chrome-plated thermostatic diverter for solar systems.
- Flat-faced connection for unions
- Connections: male
- Setting range: 45°C
- Maximum pressure: 10 bar
- Max. input temperature: 110°C
- TEA®PLUS surface treatment on the inside and outside.



ART. 3959

Code	size	€	box
3959 1	1"		1

Chrome-plated 2-way zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow



ART. 300724 - 300824

Code	size	openig time	voltage	€	box	pack
300724 3408	3/4"	8 s	230 V		1	12
300724 108	1"	8 s	230 V		1	12
300724 11408	1"1/4	8 s	230 V		1	12
300824 3408	3/4"	8 s	24 V		1	12
300824 108	1"	8 s	24 V		1	12
300824 11408	1"1/4	8 s	24 V		1	12

Chrome-plated 3-way diverter zone control ball valve for solar systems equipped with unions, nuts and 230 V - 24 V actuator with manual release.

- Max. working temperature: 130°C
- Nominal pressure: 16 bar
- Connections: Male
- Full bore flow



ART. 300729 - 300829

Code	size	openig time	voltage	€	box	pack
300729 3408	3/4"	8 s	230 V		1	12
300729 108	1"	8 s	230 V		1	12
300729 11408	1"1/4	8 s	230 V		1	12
300829 3408	3/4"	8 s	24 V		1	12
300829 108	1"	8 s	24 V		1	12
300829 11408	1"1/4	8 s	24 V		1	12

- Thermostat with remote sensor and protected regulation.
- Temperature range: 10÷90°C
- Protection rating: IP40
- Max. sensor temperature: 150°C
- Sheath: 1/2" (l=100mm)
- Length of capillary: 1m



ART. 7953

Code	€	box	pack
7953		1	-

Anti-condensation insulation for SMALL actuators (ART. 3007-3008) for cooling systems.

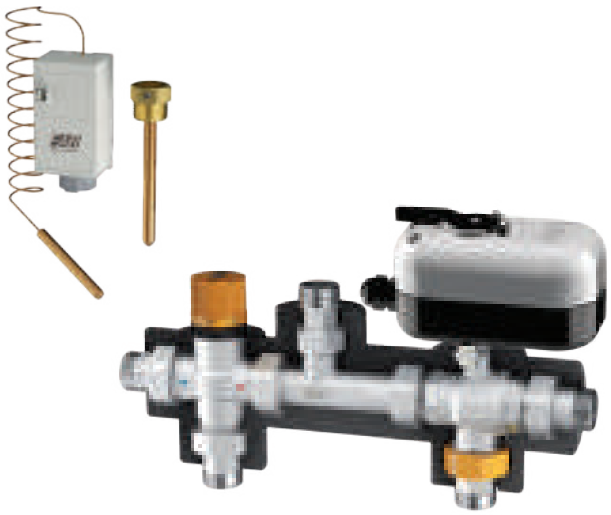


ART. 3009

Code	height/mm	€	box
3009 40	40		1

Solar unit for systems with thermal integration.

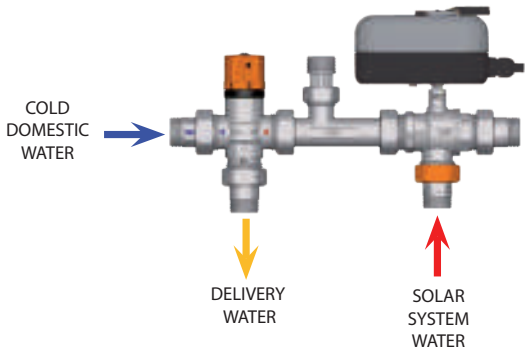
- Solar mixer with 30÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator with manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



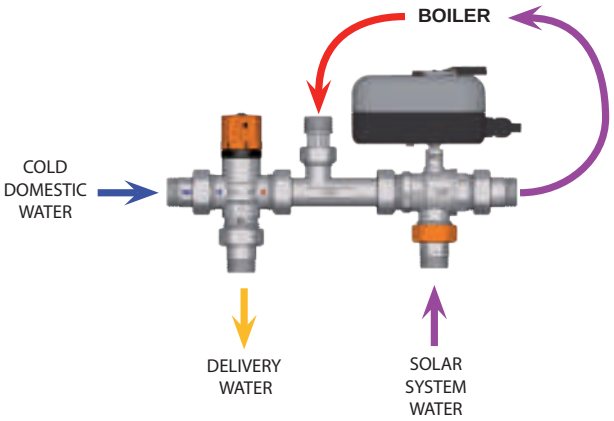
ART. 3090

Code	size	€	box	pack
3090 34	3/4"		1	-

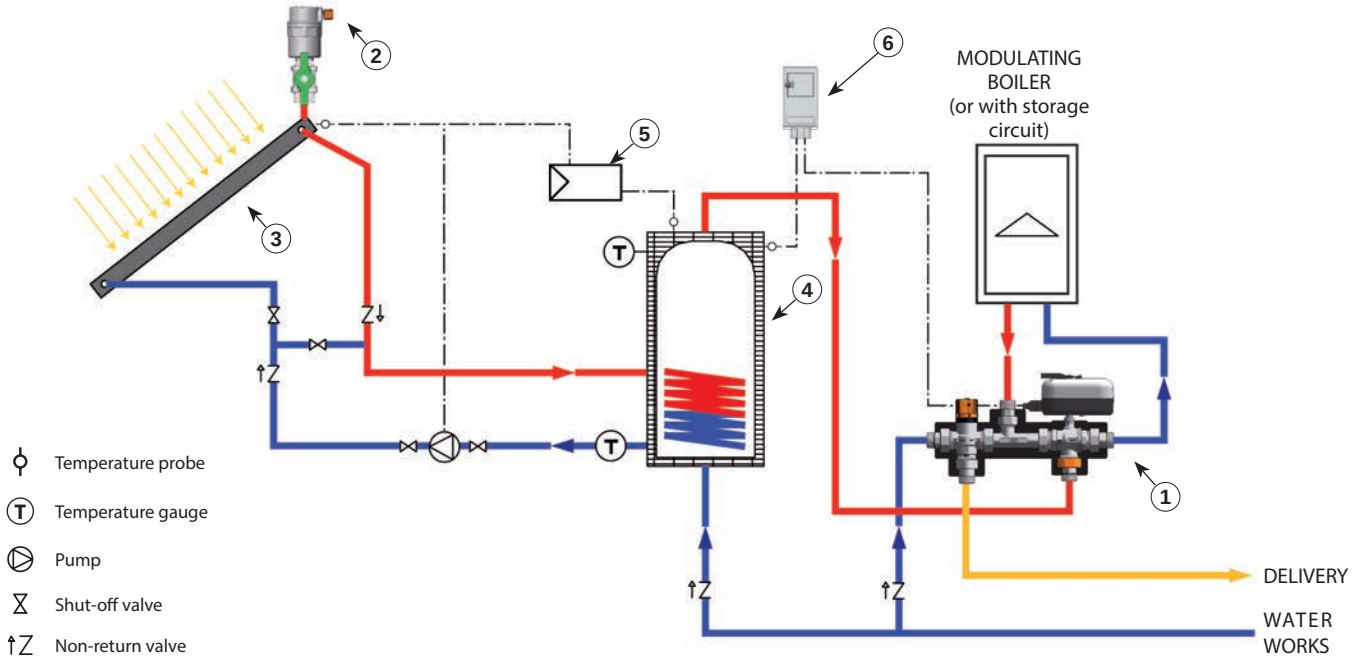
Water temperature produced by solar system > 45°C



Water temperature produced by solar system < 45°C



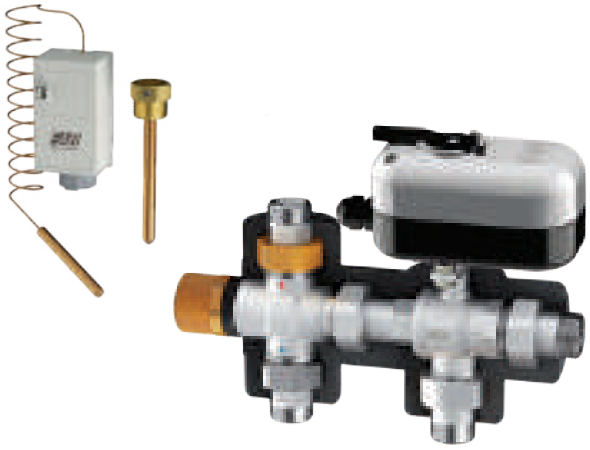
Installation overview of art. 3090 34.
With thermal integration - Solar system with forced circulation and modulating boiler



1 - SOLAR UNIT WITH THERMAL INTEGRATION
2 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE
3 - Thermal solar panel
4 - Tank
5 - Electronic control
6 - THERMOSTAT

Solar unit for systems without thermal integration.

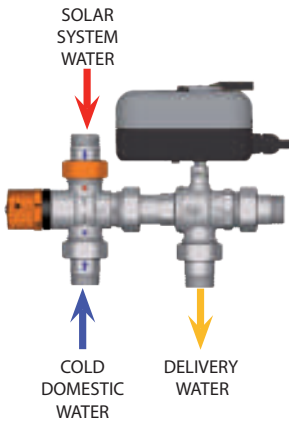
- Solar mixer with 30÷65°C temperature range
- 3/4" diverter valve with 230V 8s actuator and manual release
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on thermostatic mixer inlets
- EPDM sealing gaskets
- Insulation
- Remote thermostat with immersion sensor
- Connections with 3/4" unions



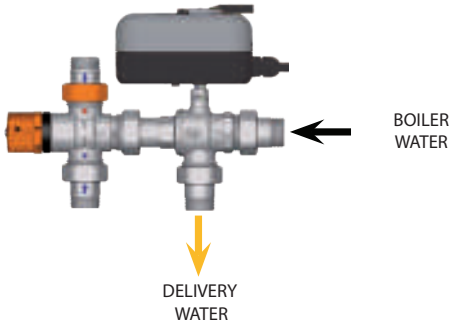
ART. 3091

Code	size	€	box	pack
3091 34	3/4"		1	-

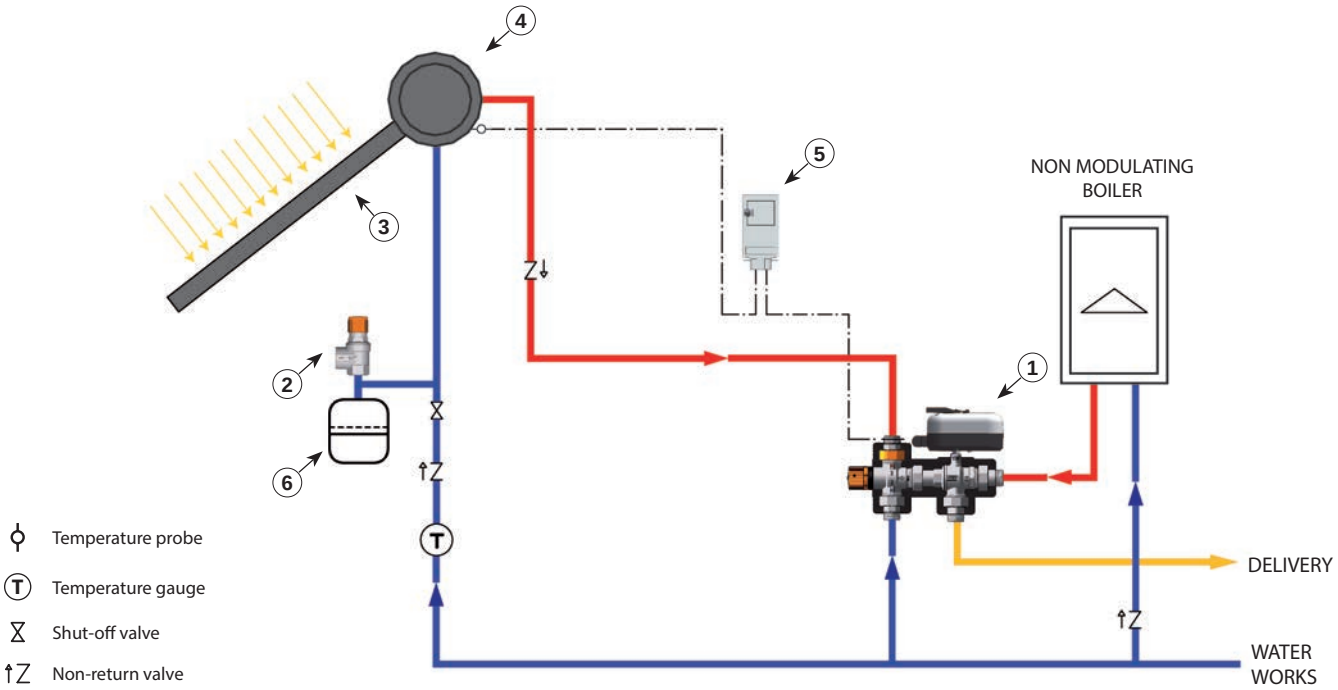
Water temperature produced by solar system > 45°C



Water temperature produced by solar system < 45°C



Installation overview of art. 3091 34.
Without thermal integration - Solar system with natural circulation and non-modulating boiler

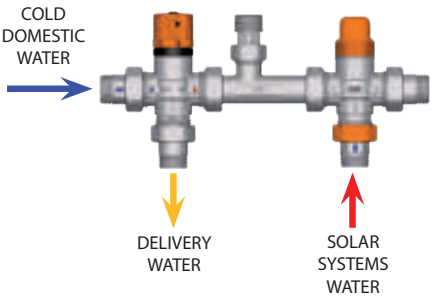


1 - SOLAR UNIT WITHOUT THERMAL INTEGRATION
2 - SOLARFAR SAFETY VALVE
3 - Thermal solar panel
4 - Tank
5 - THERMOSTAT
6 - Expansion tank

Solar unit with thermostatic diverter for systems with thermal integration.

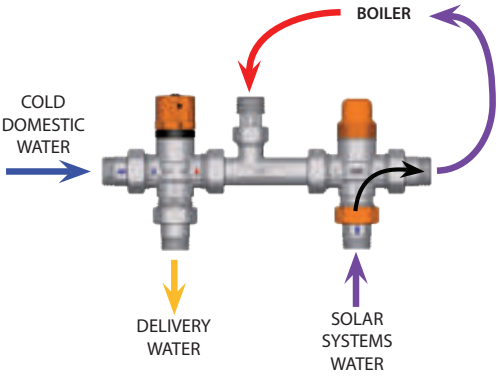
- Solar mixer with 30÷65°C temperature range
- Thermostatic diverter with presetting 45°C
- Max. pressure: 10 bar
- Max. temperature : 110°C
- Non-return valves on the inlets
- EPDM sealing gaskets
- Insulation
- Connections with 3/4" unions

Water temperature produced by solar system > 45°C





Water temperature produced by solar system < 45°C

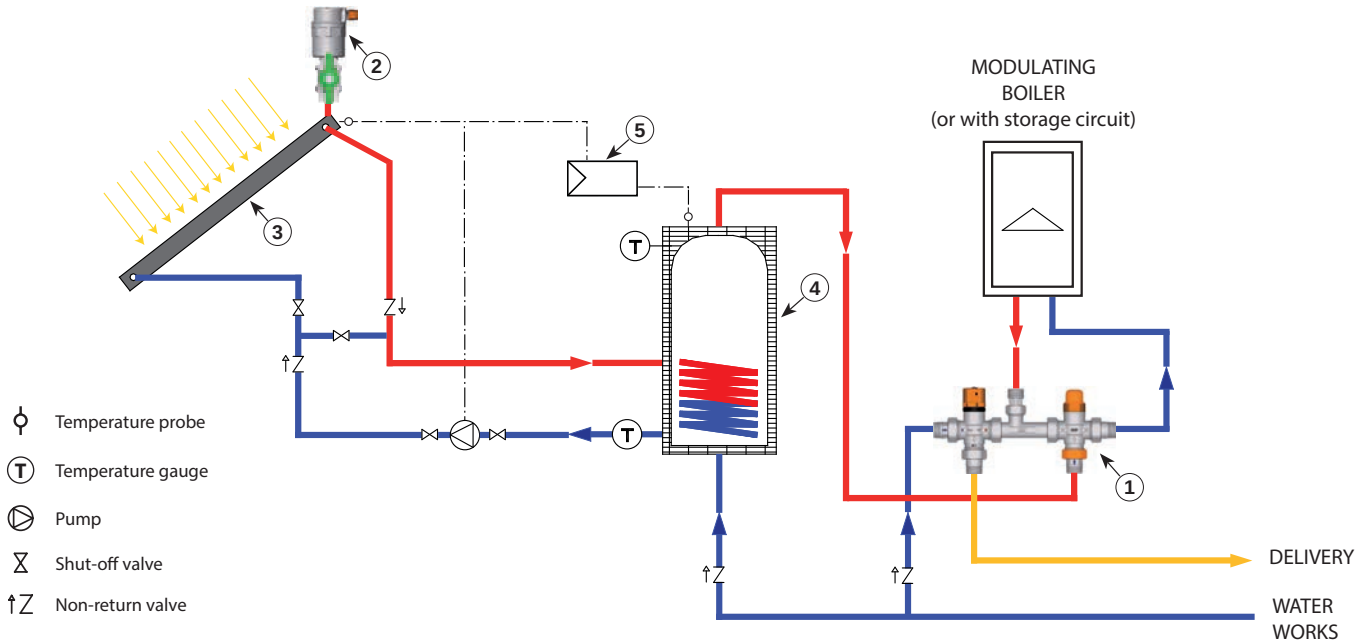


ART. 3092

Code	size	€	box	pack
3092 34	3/4"		1	-

SOLARFAR units allow the use of a solar thermal system in combination with a boiler. When the temperature of the water in the solar storage-tank exceeds the set value (45°C), the thermostatic diverter will direct the flow to the thermostatic mixer, making it available to users. If the stored water temperature falls below the set value (45°C), the diverter will re-direct the water to the boiler, which heats the water to the desired temperature.

Installation overview of art. 3092.
With thermal integration - Solar system with forced circulation and modulating boiler with integration



1 - SOLAR UNIT ART. 3092
2 - SOLARFAR AIR VENT VALVE WITH SHUT-OFF VALVE
3 - Thermal solar panel
4 - Tank
5 - Electronic control

Automatic air vent valve with horizontal discharge for solar systems.

- Body made of CW617N stamped brass
- Connection: 3/8" - 1/2" M
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 160°C



ART. 2042

Code	size	€	box	pack
2042 38	3/8"		10	100
2042 12	1/2"		10	100

Deaerator for solar systems.

- Body made of CB753S brass
- Connection to pipelines: F-F
- Lower connection: 1/2" with plug
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2252

Code	size	€	box	pack
2252 34	3/4"		1	6
2252 1	1"		1	6
2252 114	1"1/4		1	6
2252 112	1"1/2		1	6
2252 2	2"		1	6

Chrome-plated pressure and temperature relief valve for solar systems.

- Set pressure: 6 - 7 - 10 bar
- Inlet: 1/2" - 3/4" male
- Outlet: 1/2" - 3/4" female
- Max. temperature: 125°C
- Working temperature: 92 ± 3°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2009

Code	bar	size	€	box	pack
2009 121260	6	1/2"x1/2"		1	-
2009 121270	7	1/2"x1/2"		1	-
2009 121200	10	1/2"x1/2"		1	-
2009 343460	6	3/4"x3/4"		1	-
2009 343470	7	3/4"x3/4"		1	-
2009 343400	10	3/4"x3/4"		1	-

Automatic air vent valve with horizontal discharge for high pressures.

- Body made of CB753S brass
- Connection:1/2" M
- Swiveling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 160°C



ART. 2068

Code	size	€	box	pack
2068 12	1/2"		1	25



For correct system operation it is recommended to close the ball valve placed before the air vent valve when filling operations are complete

Ball valve for solar systems.

- Body and ball made of CW617N brass
- Max. temperature: 160°C
- Nominal pressure: 10 bar



ART. 3033

Code	size	€	box	pack
3033 12	1/2"		1	-

Chrome-plated safety valve for solar systems.

- Set pressure: 2,5 - 3 - 3,5 - 4 - 5 - 6 - 7 - 8 - 10 bar
- Inlet: 1/2" female
- Outlet: 3/4" female
- Max. temperature: 160°C

In accordance with 2014/68/UE "PED" class IV and with D.Lgs.15.02.2016 n.26.

CE 0425



ART. 2006

Code	bar	size	€	box	pack
2006 123425	2,5	1/2"x3/4"		10	100
2006 123430	3	1/2"x3/4"		10	100
2006 123435	3,5	1/2"x3/4"		10	100
2006 123440	4	1/2"x3/4"		10	100
2006 123450	5	1/2"x3/4"		10	100
2006 123460	6	1/2"x3/4"		10	100
2006 123470	7	1/2"x3/4"		10	100
2006 123480	8	1/2"x3/4"		10	100
2006 123400	10	1/2"x3/4"		10	100

Male fitting with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5871

Code	size	Ø pipe	€	box	pack
5871 3416	3/4"	16		25	250
5871 3418	3/4"	18		25	250
5871 3422	3/4"	22		25	250
5871 122	1"	22		25	250

Female fitting with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5873

Code	size	Ø pipe	€	box	pack
5873 3416	3/4"	16		25	250
5873 3418	3/4"	18		25	250
5873 3422	3/4"	22		25	250
5873 122	1"	22		25	250

Double fitting with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5875

Code	Ø pipe	€	box	pack
5875 1216	16		25	250
5875 1218	18		25	250
5875 3422	22		25	250

Male elbow with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5877

Code	size	Ø pipe	€	box	pack
5877 3416	3/4"	16		25	250
5877 3418	3/4"	18		25	250
5877 3422	3/4"	22		25	250
5877 122	1"	22		20	200

Female elbow with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5879

Code	size	Ø pipe	€	box	pack
5879 3416	3/4"	16		25	250
5879 3418	3/4"	18		25	250
5879 3422	3/4"	22		25	250
5879 122	1"	22		20	200

Double elbow with metal seal for solar systems.
- Brass body: CW617N
- Max. pressure: 10 bar
- Max. working temperature: 200°C
- Suitable for connection to copper and steel pipelines



ART. 5881

Code	Ø pipe	€	box	pack
5881 1216	16		25	250
5881 1218	18		25	250
5881 3422	22		25	250

Set point booster unit complete with:
- set point thermostatic mixer with 40 ÷ 75°C scale
- high efficiency pump
- shut-off valves
- No.2 temperature gauges with 0 ÷ 80°C scale
- PPE insulation

• Connections centre distance: 125 mm



ART. 2184

Code	size	pump performance Hmax - Q	pump performance H - Q	pump	€	box	pack
2184 1130EA	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 130mm		1	1
2184 1180E6	1"	7m - 0,9m³/h	4m - 2,1m³/h	1"1/2M - 180mm		1	1
2184 1130E9	1"	9m - 1,5m³/h	4m - 3,6m³/h	1"1/2M - 130mm		1	1
2184 1180EA	1"	8m - 1,9m³/h	4m - 6,2m³/h	1"1/2M - 180mm		1	1

Automatic smoke damper.
- Equipped with chain and rod
- Setting range: 30 ÷ 100°C
- Position: horizontal or vertical
- Connection: 3/4"
- Chain range: 12mm / 10°C



ART. 3952

Code	size	€	box	pack
3952	3/4"		1	-

Anti-condensation valve for solid fuel heat generators

- Body made of CW617N and CB753S brass
- Connections: male complete with unions and gaskets
- Unions in CW617N brass with flat seat
- Sealing gaskets in EPDM
- Available settings: 45°C, 55°C, 60°C and 70°C with replaceable thermostatic sensor
- Spring in AISI302 stainless steel
- Max. inlet temperature: 100°C
- Max. pressure : 10 bar
- For use as an anti-condensation valve or as a diverter valve



Spare sensor for anti-condensation valve.

- Art. 9400 anti-condensation valves Kv = 3,9 [m³/h]
- Art. 9401 anti-condensation valves Kv = 11,3-12,2 [m³/h]



ART. 9400-9401

Code	Kv [m³/h]	setting [°C]	€	box
9400 45	3,9	45		1
9400 55	3,9	55		1
9400 60	3,9	60		1
9400 70	3,9	70		1
9401 45	11,3-12,2	45		1
9401 55	11,3-12,2	55		1
9401 60	11,3-12,2	60		1
9401 70	11,3-12,2	70		1

ART. 3966

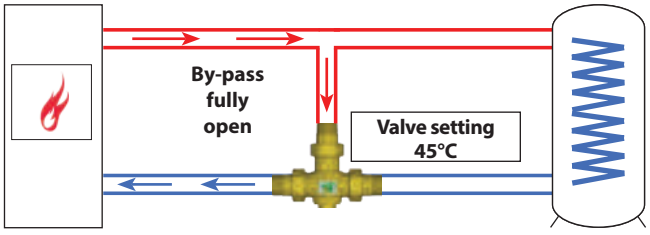
Code	Size	Kv [m³/h]	setting [°C]	€	box	pack
3966 0145	3/4"	3,9	45		1	-
3966 0155	3/4"	3,9	55		1	-
3966 0160	3/4"	3,9	60		1	-
3966 0170	3/4"	3,9	70		1	-
3966 0245	1"	3,9	45		1	-
3966 0255	1"	3,9	55		1	-
3966 0260	1"	3,9	60		1	-
3966 0270	1"	3,9	70		1	-
3966 0345	1"	11,3	45		1	-
3966 0355	1"	11,3	55		1	-
3966 0360	1"	11,3	60		1	-
3966 0370	1"	11,3	70		1	-
3966 0445	1"1/4	12,2	45		1	-
3966 0455	1"1/4	12,2	55		1	-
3966 0460	1"1/4	12,2	60		1	-
3966 0470	1"1/4	12,2	70		1	-

The anti-condensation valve, **Art. 3966**, independently regulates the temperature of the water returning from the hot water tank to the solid fuel heat generator, preventing condensation in the circuit and maintaining the correct operation of the generator.
If necessary, it can also be installed as a diverter valve to regulate the passage of water between the heat generator and the tank to maintain the set-point temperature.

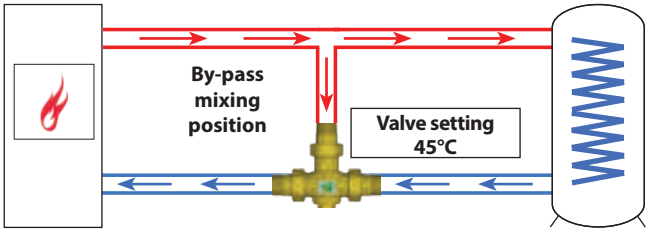
FUNCTIONING

The schemes below show the water flow in the circuit section from the heat generator to the tank. According to the temperature variations detected by the thermostatic sensor (set at 45°C), the valve adjusts the by-pass opening and closing, by means of a shutter.

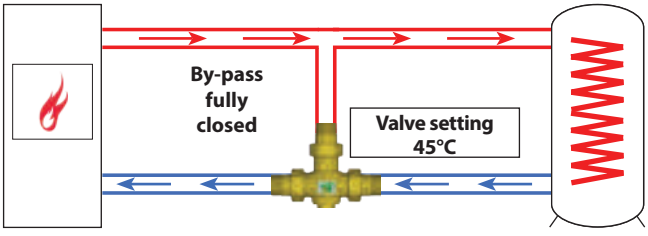
1- Water temperature coming from the generator : less than 45°



2- Water temperature coming from the generator: close to 45°



3- Water termperature coming from the generator: higher than 55°C



PRESSFAR - Male fitting.

- Body made of brass
- Stainless steel bushing
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4980

Code	size	Ø pipe	€	box	pack
49802501	3/4"	25x2,3		20	200
49803201	1"	32x2,9		10	100
49804002	1"	40x3,7		10	100
49804001	1"1/4	40x3,7		10	100
49805001	1"1/2	50x4,6		5	50
49806301	2"	63x5,8		4	40

PRESSFAR - Double fitting.

- Body made of brass
- Stainless steel bushing
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4982

Code	Ø pipe	€	box	pack
49822501	25x2,3		20	200
49823201	32x2,9		10	100
49824001	40x3,7		5	50
49825001	50x4,6		5	50
49826301	63x5,8		3	30

PRESSFAR - Double 90° elbow.

- Body made of brass
- Stainless steel bushing
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4986

Code	Ø pipe	€	box	pack
49862501	25x2,3		10	100
49863201	32x2,9		10	80
49864001	40x3,7		5	50
49865001	50x4,6		4	40
49866301	63x5,8		2	20

PRESSFAR - Double 45° elbow

- Body made of CW617N brass
- Stainless steel bushing
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws

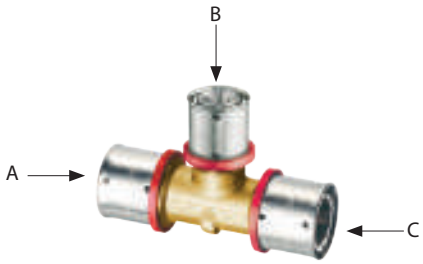


ART. 4987

Code	Ø pipe	€	box	pack
49874001	40x3,7		5	50

PRESSFAR - "T" fitting with CENTRAL REDUCTION.

- Body made of brass
- Stainless steel bushing
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4989

Code	A	Ø pipe B	C	€	box	pack
49894002	40x3,7	32x2,9	40x3,7		20	200

PRESSFAR - Fitting with flat faced connection.

- Body made of brass
- Stainless steel bushing
- Brass swiveling nut
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4999

Code	size	Ø pipe	€	box	pack
49992501	1"	25x2,3		20	200
49993201	1"	32x2,9		20	160
49994001	1"	40x3,7		20	160
49994002	1"1/4	40x3,7		20	160
49995002	1"1/2	50x4,6		20	160

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling nut.

- Valve body and ball in CW617N forged brass
- Chrome-plated ball
- PRESSFAR connection
- Designed for installation of temperature gauge, art. 2653
- Nominal pressure: 16 bar
- Max. working temperature: 95°C
- Gaskets in EPDM-P
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws

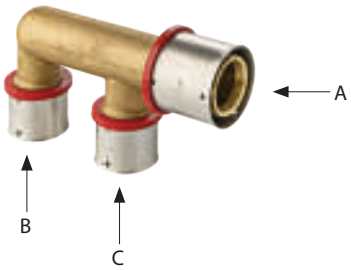


ART. 4944

Code	size	handle	Ø pipe	€	box	pack
49442501	1"	blue	25x2,3		5	50
49442502	1"	red	25x2,3		5	50
49443201	1"	blue	32x2,9		5	50
49443202	1"	red	32x2,9		5	50
49444001	1"	blue	40x3,7		5	50
49444002	1"	red	40x3,7		5	50

PRESSFAR - Fitting with double connection.

- Body made of brass
- Stainless steel bushing
- For SDR11 standard pipes in PE100 or PEX
- Compatible with TH-U-H profile jaws



ART. 4932

		Ø pipe				
Code	A	B	C	€	box	pack
49324001	40x3,7	32x2,9	32x2,9		1	

2-3 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 2" male-female
- Outlets: 1" male
- Centre distance between ports: 100 mm



ART. 3616-3617

Code	outlets	size	€	box
3616 21	2 - 1"	2"		1
3617 21	3 - 1"	2"		1

Brass intermediate connection complete with manual air vent valve, temperature gauge and boiler drain cock.

- Size: 2" male- female
- Temperature scale: -30÷50°C



ART. 3451MG

Code	size	€	box
3451 MG2	2"		1



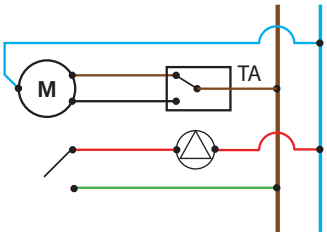
Zone valves and accessories 03

Motorized zone valves with quick-coupling installation	121
SMALL actuators, ON-OFF version	123
1/2" - 3/4" - 1" - 1"1/4 motorized zone valves	124
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Stop valves	134

3-POINT ACTUATORS ART.3070 AND ART.3071 FOR 1/2"-3/4"-1" VALVES WITH QUICK-COUPLING INSTALLATION



TERMINAL	NOT INCLUDED
WIRE	PROVIDED

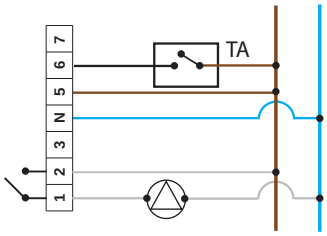


COLOUR	CONNECTION
GREEN	Microswitch common contact
RED	N.O. of the microswitch
BLACK	Opening phase
BROWN	Closing phase
BLUE	Neutral

ACTUATORS ART.3001, 3002, 3005, 3006, 3007 AND 3008 FOR 1/2"-3/4"-1"-1"1/4 ZONE VALVES



TERMINAL	INCLUDED
WIRE	PROVIDED

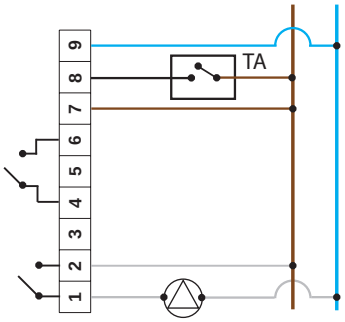


N°	COLOUR	CONNECTION
1	GREY	Microswitch common contact
2	WHITE	N.O. of the microswitch
3	-	Signal indicator Phase on terminal with open valve
4	BLUE	Neutral
5	BROWN	Phase
6	BLACK	With phase on black valve opens
7	-	Signal indicator Phase on terminal with closed valve

ACTUATORS ART.3039 AND ART.3040 FOR 1"1/2 - 2" ZONE VALVES

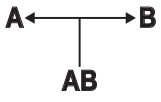
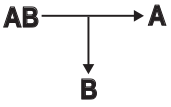
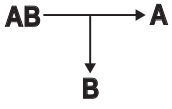
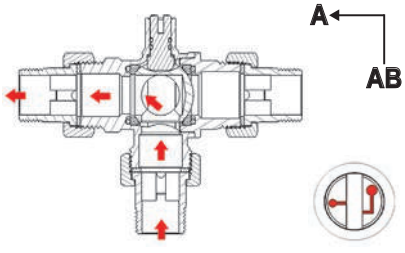
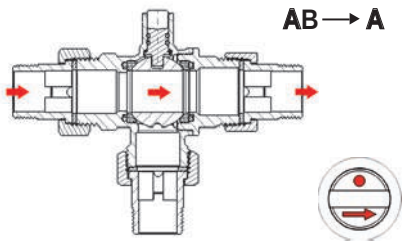
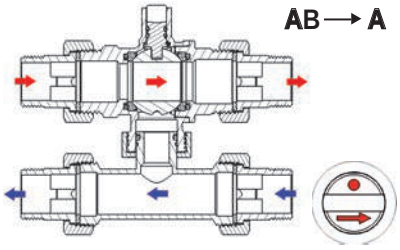
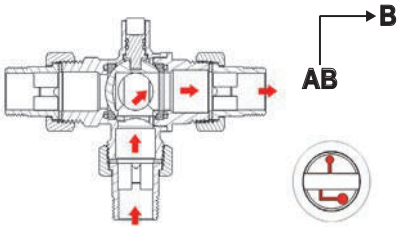
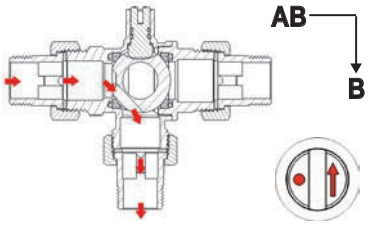
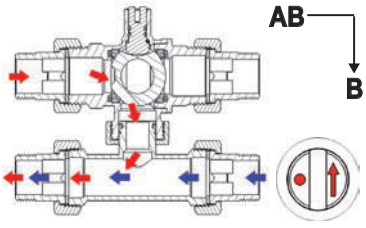


TERMINAL	INCLUDED
WIRE	NOT PROVIDED



N°	CONNECTION
1	Microswitch common contact
2	N.O. of the microswitch
3	-
4	Microswitch common contact
5	-
6	N.O. of the microswitch
7	Phase
8	With phase on terminal No. 8 valve opens
9	Neutral

3-WAY ZONE VALVES MODELS

		
3-way diverter zone valve art. 3020-3021-3022	3-way zone valve with by-pass art. 3031-3032	3-way zone valve with by-pass Tee art. 3025 -3030
		
		

3-point actuator with auxiliary microswitch for zone valves with quick-coupling installation.

- External connection cable length: 850 mm
- Supply voltage: 230V 50Hz
- Rotation angle: 90°
- Rotation time: 40s
- Protection rating: IP44
- Open/Closed indicator



ART. 3070

Code	voltage	opening time	€	box	pack
3070	230 V	40 s		1	25

3-point actuator with auxiliary microswitch for zone valves with quick-coupling installation.

- External connection cable length: 850 mm
- Supply voltage: 24V 50Hz
- Rotation angle: 90°
- Rotation time: 40s
- Protection rating: IP44
- Open/Closed indicator

ART. 3071

Code	voltage	opening time	€	box	pack
3071	24 V	40 s		1	25

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male



ART. 307072

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307072 1	1"	25	25,6	40 s		1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307172

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307172 1	1"	25	25,6	40 s		1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-female



ART. 307074

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307074 1	1"	25	31,7	40 s		1	10

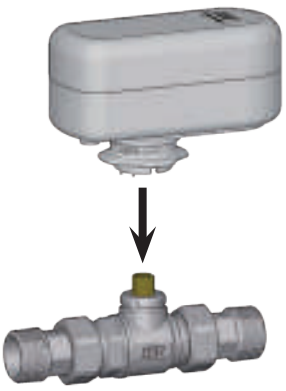
Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-female

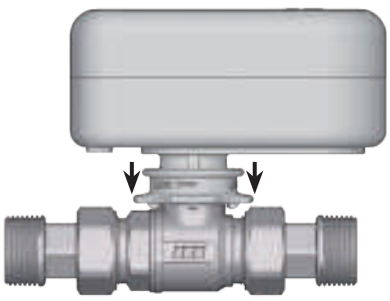
ART. 307174

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307174 1	1"	25	31,7	40 s		1	10

The motorized zone valves with quick-coupling installation allow the installation of the actuator in three simple steps with no need for tools:



1 Place the actuator on the stem of the zone valve



2 Lower the locking ring



3 Turn the ring clockwise up to the end of the stroke

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male



Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307075

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307075 12	1/2"	15	8,9	40 s		1	10
307075 34	3/4"	15	10,3	40 s		1	10
307075 1	1"	20	18,2	40 s		1	10

ART. 307175

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307175 12	1/2"	15	8,9	40 s		1	10
307175 34	3/4"	15	10,3	40 s		1	10
307175 1	1"	20	18,2	40 s		1	10

Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with 230 V actuator.

- Connections: male-female



Chrome-plated 2-way zone control ball valve with quick-coupling installation equipped with 24 V actuator.

- Connections: male-female

ART. 307077

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307077 12	1/2"	15	8,4	40 s		1	10
307077 34	3/4"	15	11,3	40 s		1	10
307077 1	1"	20	22,6	40 s		1	10

ART. 307177

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307177 12	1/2"	15	8,4	40 s		1	10
307177 34	3/4"	15	11,3	40 s		1	10
307177 1	1"	20	22,6	40 s		1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-male

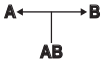


Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-male

ART. 307080

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307080 12	1/2"	15	4,9	40 s		1	10
307080 34	3/4"	15	5,3	40 s		1	10
307080 1	1"	20	9	40 s		1	10



ART. 307180

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307180 12	1/2"	15	4,9	40 s		1	10
307180 34	3/4"	15	5,3	40 s		1	10
307180 1	1"	20	9	40 s		1	10

Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 230 V actuator.

- Connections: male-female

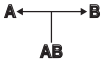


Chrome-plated 3-way diverter zone control ball valve with quick-coupling installation equipped with unions, nuts and 24 V actuator.

- Connections: male-female

ART. 307082

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307082 12	1/2"	15	4,2	40 s		1	10
307082 34	3/4"	15	4,8	40 s		1	10
307082 1	1"	20	9,1	40 s		1	10



ART. 307182

Code	size	DN	Kv [m³/h]	opening time	€	box	pack
307182 12	1/2"	15	4,2	40 s		1	10
307182 34	3/4"	15	4,8	40 s		1	10
307182 1	1"	20	9,1	40 s		1	10

SMALL - Actuator with relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection rating: IP54



ART. 3001

Code	voltage	opening time	€	box	pack
3001 40	230 V	40 s		1	30

SMALL - Actuator with relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection rating: IP54

ART. 3002

Code	voltage	opening time	€	box	pack
3002 40	24 V	40 s		1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection rating: IP54



ART. 3005

Code	voltage	opening time	€	box	pack
3005 40	230 V	40 s		1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 40 seconds
- Protection rating: IP54

ART. 3006

Code	voltage	opening time	€	box	pack
3006 40	24 V	40 s		1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 230 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection rating: IP54



ART. 3007

Code	voltage	opening time	€	box	pack
3007 08	230 V	8 s		1	30

SMALL - Actuator with manual release, relay and auxiliary microswitch for zone control ball valves.

- External connection cable length: 1 m.
- Supply voltage: 24 V 50 Hz
- Rotation angle: 90°
- Rotation time: 8 seconds
- Protection rating: IP54

ART. 3008

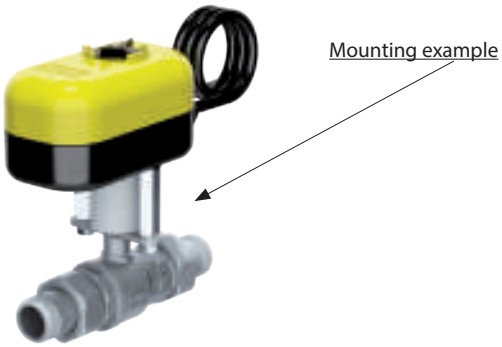
Code	voltage	opening time	€	box	pack
3008 08	24 V	8 s		1	30

Anti-condensation insulation for SMALL actuators (ART. 3001-3002-3005-3006-3007-3008) for cooling systems.



ART. 3009

Code	height/mm	€	box
3009 40	40		1
3009 100	100		1



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator.

- Connections: male-male
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator.

- Connections: male-male
- Full bore flow

ART. 300115

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300115 1240	1/2"	7,1	40 s		1	12
300115 3440	3/4"	16,8	40 s		1	12
300115 140	1"	25,6	40 s		1	12
300115 11440	1"1/4	55,2	40 s		1	12

ART. 300215

Code	size	Kv [m³/h]	opening time	€	box	pack
300215 1240	1/2"	7,1	40 s		1	12
300215 3440	3/4"	16,8	40 s		1	12
300215 140	1"	25,6	40 s		1	12
300215 11440	1"1/4	55,2	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator.

- Connections: female-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator.

- Connections: female-female
- Full bore flow

ART. 300116

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300116 1240	1/2"	12,6	40 s		1	12
300116 3440	3/4"	17,5	40 s		1	12
300116 140	1"	40,2	40 s		1	12

ART. 300216

Code	size	Kv [m³/h]	opening time	€	box	pack
300216 1240	1/2"	12,6	40 s		1	12
300216 3440	3/4"	17,5	40 s		1	12
300216 140	1"	40,2	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator.

- Connections: male-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator.

- Connections: male-female
- Full bore flow

ART. 300117

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300117 1240	1/2"	9	40 s		1	12
300117 3440	3/4"	16,7	40 s		1	12
300117 140	1"	31,7	40 s		1	12
300117 11440	1"1/4	68	40 s		1	12

ART. 300217

Code	size	Kv [m³/h]	opening time	€	box	pack
300217 1240	1/2"	9	40 s		1	12
300217 3440	3/4"	16,7	40 s		1	12
300217 140	1"	31,7	40 s		1	12
300217 11440	1"1/4	68	40 s		1	12

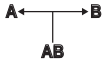
Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator.
- Connections: male-male
- Full bore flow



Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator.
- Connections: male-male
- Full bore flow

ART. 300120

Code	size	Kv [m³/h]	opening time	€	box	pack
300120 1240	1/2"	4,5	40 s		1	12
300120 3440	3/4"	9,9	40 s		1	12
300120 140	1"	13,7	40 s		1	12
300120 11440	1"1/4	25,5	40 s		1	12



RINA

ART. 300220

Code	size	Kv [m³/h]	opening time	€	box	pack
300220 1240	1/2"	4,5	40 s		1	12
300220 3440	3/4"	9,9	40 s		1	12
300220 140	1"	13,7	40 s		1	12
300220 11440	1"1/4	25,5	40 s		1	12

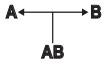
Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator.
- Connections: female-female
- Full bore flow



Chrome-plated 3-way diverter zone control ball valve equipped with 24V actuator.
- Connections: female-female
- Full bore flow

ART. 300121

Code	size	Kv [m³/h]	opening time	€	box	pack
300121 1240	1/2"	5	40 s		1	12
300121 3440	3/4"	9,2	40 s		1	12
300121 140	1"	14,2	40 s		1	12



RINA

ART. 300221

Code	size	Kv [m³/h]	opening time	€	box	pack
300221 1240	1/2"	5	40 s		1	12
300221 3440	3/4"	9,2	40 s		1	12
300221 140	1"	14,2	40 s		1	12

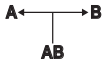
Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator.
- Connections: male-female
- Full bore flow



Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator.
- Connections: male-female
- Full bore flow

ART. 300122

Code	size	Kv [m³/h]	opening time	€	box	pack
300122 1240	1/2"	5	40 s		1	12
300122 3440	3/4"	9,2	40 s		1	12
300122 140	1"	14,2	40 s		1	12
300122 11440	1"1/4	24,5	40 s		1	12



RINA

ART. 300222

Code	size	Kv [m³/h]	opening time	€	box	pack
300222 1240	1/2"	5	40 s		1	12
300222 3440	3/4"	9,2	40 s		1	12
300222 140	1"	14,2	40 s		1	12
300222 11440	1"1/4	24,5	40 s		1	12

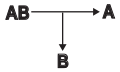
Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator.
- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only



Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator.
- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300125

Code	size	Kv [m³/h]	opening time	€	box	pack
300125 3440	3/4"	16,8	40 s		1	12
300125 140	1"	25,6	40 s		1	12



RINA

ART. 300225

Code	size	Kv [m³/h]	opening time	€	box	pack
300225 3440	3/4"	16,8	40 s		1	12
300225 140	1"	25,6	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300515

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300515 1240	1/2"	7,1	40 s		1	12
300515 3440	3/4"	16,8	40 s		1	12
300515 140	1"	25,6	40 s		1	12
300515 11440	1"1/4	55,2	40 s		1	12

ART. 300615

Code	size	Kv [m³/h]	opening time	€	box	pack
300615 1240	1/2"	7,1	40 s		1	12
300615 3440	3/4"	16,8	40 s		1	12
300615 140	1"	25,6	40 s		1	12
300615 11440	1"1/4	55,2	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300516

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300516 1240	1/2"	12,6	40 s		1	12
300516 3440	3/4"	17,5	40 s		1	12
300516 140	1"	40,2	40 s		1	12

ART. 300616

Code	size	Kv [m³/h]	opening time	€	box	pack
300616 1240	1/2"	12,6	40 s		1	12
300616 3440	3/4"	17,5	40 s		1	12
300616 140	1"	40,2	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300517

RINA

Code	size	Kv [m³/h]	opening time	€	box	pack
300517 1240	1/2"	9	40 s		1	12
300517 3440	3/4"	16,7	40 s		1	12
300517 140	1"	31,7	40 s		1	12
300517 11440	1"1/4	68	40 s		1	12

ART. 300617

Code	size	Kv [m³/h]	opening time	€	box	pack
300617 1240	1/2"	9	40 s		1	12
300617 3440	3/4"	16,7	40 s		1	12
300617 140	1"	31,7	40 s		1	12
300617 11440	1"1/4	68	40 s		1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow

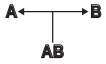


Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300520

Code	size	Kv [m³/h]	opening time	€	box	pack
300520 1240	1/2"	4,5	40 s		1	12
300520 3440	3/4"	9,9	40 s		1	12
300520 140	1"	13,7	40 s		1	12
300520 11440	1"1/4	25,5	40 s		1	12



RINA

ART. 300620

Code	size	Kv [m³/h]	opening time	€	box	pack
300620 1240	1/2"	4,5	40 s		1	12
300620 3440	3/4"	9,9	40 s		1	12
300620 140	1"	13,7	40 s		1	12
300620 11440	1"1/4	25,5	40 s		1	12

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow

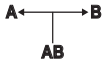


Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300521

Code	size	Kv [m³/h]	opening time	€	box	pack
300521 1240	1/2"	5	40 s		1	12
300521 3440	3/4"	9,2	40 s		1	12
300521 140	1"	14,2	40 s		1	12



RINA

ART. 300621

Code	size	Kv [m³/h]	opening time	€	box	pack
300621 1240	1/2"	5	40 s		1	12
300621 3440	3/4"	9,2	40 s		1	12
300621 140	1"	14,2	40 s		1	12

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-female
- Full bore flow

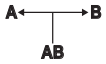


Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300522

Code	size	Kv [m³/h]	opening time	€	box	pack
300522 1240	1/2"	5	40 s		1	12
300522 3440	3/4"	9,2	40 s		1	12
300522 140	1"	14,2	40 s		1	12
300522 11440	1"1/4	24,5	40 s		1	12



RINA

ART. 300622

Code	size	Kv [m³/h]	opening time	€	box	pack
300622 1240	1/2"	5	40 s		1	12
300622 3440	3/4"	9,2	40 s		1	12
300622 140	1"	14,2	40 s		1	12
300622 11440	1"1/4	24,5	40 s		1	12

Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

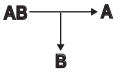


Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300525

Code	size	Kv [m³/h]	opening time	€	box	pack
300525 3440	3/4"	16,8	40 s		1	12
300525 140	1"	25,6	40 s		1	12



RINA

ART. 300625

Code	size	Kv [m³/h]	opening time	€	box	pack
300625 3440	3/4"	16,8	40 s		1	12
300625 140	1"	25,6	40 s		1	12

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



ART. 300715

Code	size	Kv [m³/h]	opening time	€	box	pack
300715 1208	1/2"	7,1	8 s		1	12
300715 3408	3/4"	16,8	8 s		1	12
300715 108	1"	25,6	8 s		1	12
300715 11408	1"1/4	55,2	8 s		1	12

RINA

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300815

Code	size	Kv [m³/h]	opening time	€	box	pack
300815 1208	1/2"	7,1	8 s		1	12
300815 3408	3/4"	16,8	8 s		1	12
300815 108	1"	25,6	8 s		1	12
300815 11408	1"1/4	55,2	8 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



ART. 300716

Code	size	Kv [m³/h]	opening time	€	box	pack
300716 1208	1/2"	12,6	8 s		1	12
300716 3408	3/4"	17,5	8 s		1	12
300716 108	1"	40,2	8 s		1	12

RINA

Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300816

Code	size	Kv [m³/h]	opening time	€	box	pack
300816 1208	1/2"	12,6	8 s		1	12
300816 3408	3/4"	17,5	8 s		1	12
300816 108	1"	40,2	8 s		1	12

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



ART. 300717

Code	size	Kv [m³/h]	opening time	€	box	pack
300717 1208	1/2"	9	8 s		1	12
300717 3408	3/4"	16,7	8 s		1	12
300717 108	1"	31,7	8 s		1	12
300717 11408	1"1/4	68	8 s		1	12

RINA

Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300817

Code	size	Kv [m³/h]	opening time	€	box	pack
300817 1208	1/2"	9	8 s		1	12
300817 3408	3/4"	16,7	8 s		1	12
300817 108	1"	31,7	8 s		1	12
300817 11408	1"1/4	68	8 s		1	12

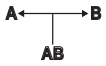
Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow



ART. 300720

Code	size	Kv [m³/h]	opening time	€	box	pack
300720 1208	1/2"	4,5	8 s		1	12
300720 3408	3/4"	9,9	8 s		1	12
300720 108	1"	13,7	8 s		1	12
300720 11408	1"1/4	25,5	8 s		1	12



RINA

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 300820

Code	size	Kv [m³/h]	opening time	€	box	pack
300820 1208	1/2"	4,5	8 s		1	12
300820 3408	3/4"	9,9	8 s		1	12
300820 108	1"	13,7	8 s		1	12
300820 11408	1"1/4	25,5	8 s		1	12

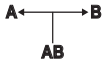
Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow



ART. 300721

Code	size	Kv [m³/h]	opening time	€	box	pack
300721 1208	1/2"	5	8 s		1	12
300721 3408	3/4"	9,2	8 s		1	12
300721 108	1"	14,2	8 s		1	12



RINA

Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 300821

Code	size	Kv [m³/h]	opening time	€	box	pack
300821 1208	1/2"	5	8 s		1	12
300821 3408	3/4"	9,2	8 s		1	12
300821 108	1"	14,2	8 s		1	12

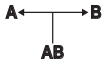
Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow



ART. 300722

Code	size	Kv [m³/h]	opening time	€	box	pack
300722 1208	1/2"	5	8 s		1	12
300722 3408	3/4"	9,2	8 s		1	12
300722 108	1"	14,2	8 s		1	12
300722 11408	1"1/4	24,5	8 s		1	12



RINA

Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 300822

Code	size	Kv [m³/h]	opening time	€	box	pack
300822 1208	1/2"	5	8 s		1	12
300822 3408	3/4"	9,2	8 s		1	12
300822 108	1"	14,2	8 s		1	12
300822 11408	1"1/4	24,5	8 s		1	12

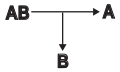
Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only



ART. 300725

Code	size	Kv [m³/h]	opening time	€	box	pack
300725 3408	3/4"	16,8	8 s		1	12
300725 108	1"	25,6	8 s		1	12



RINA

Chrome-plated 3-way zone control ball valve with by-pass Tee equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- AB-A Full bore flow
- AB-B Reduced bore flow
- Adjustable centre line: from 52 mm to 63 mm
- Suitable for coplanar manifolds only

ART. 300825

Code	size	Kv [m³/h]	opening time	€	box	pack
300825 3408	3/4"	16,8	8 s		1	12
300825 108	1"	25,6	8 s		1	12

Actuator with ISO 5211 connection for 1"1/2 and 2" zone valves.
- Suitable also for installation on all FAR zone valves from 1/2" up to 1"1/4. The special adapter (Art. 8978) must be purchased separately
- Supply voltage 230V 50Hz - 24V 50Hz
- Protection rating: IP65
- Manual release with automatic reset
- Opening/closing time: 30s – 80s
- Double cable: PG11
- Max. torque: 35Nm
- No. 2 auxiliary microswitch



ART. 3039

Code	voltage	opening time	€	box	pack
3039 80	230 V	80 s		1	-
3039 30	230 V	30 s		1	-

ART. 3040

Code	voltage	opening time	€	box	pack
3040 80	24 V	80 s		1	-
3040 30	24 v	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.
- Connections: male-male
- Full bore flow



ART. 303915

Code	size	Kv [m³/h]	opening time	€	box	pack
303915 11280	1"1/2	79,4	80 s		1	-
303915 280	2"	136,2	80 s		1	-
303915 11230	1"1/2	79,4	30 s		1	-
303915 230	2"	136,2	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.
- Connections: male-male
- Full bore flow

ART. 304015

Code	size	Kv [m³/h]	opening time	€	box	pack
304015 11280	1"1/2	79,4	80 s		1	-
304015 280	2"	136,2	80 s		1	-
304015 11230	1"1/2	79,4	30 s		1	-
304015 230	2"	136,2	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.
- Connections: female-female
- Full bore flow



ART. 303916

Code	size	Kv [m³/h]	opening time	€	box	pack
303916 11280	1"1/2	79,4	80 s		1	-
303916 280	2"	136,2	80 s		1	-
303916 11230	1"1/2	79,4	30 s		1	-
303916 230	2"	136,2	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.
- Connections: female-female
- Full bore flow

ART. 304016

Code	size	Kv [m³/h]	opening time	€	box	pack
304016 11280	1"1/2	79,4	80 s		1	-
304016 280	2"	136,2	80 s		1	-
304016 11230	1"1/2	79,4	30 s		1	-
304016 230	2"	136,2	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with 230 V actuator with manual release.
- Connections: male-female
- Full bore flow



ART. 303917

Code	size	Kv [m³/h]	opening time	€	box	pack
303917 11280	1"1/2	79,4	80 s		1	-
303917 280	2"	136,2	80 s		1	-
303917 11230	1"1/2	79,4	30 s		1	-
303917 230	2"	136,2	30 s		1	-

Chrome-plated 2-way zone control ball valve equipped with 24 V actuator with manual release.
- Connections: male-female
- Full bore flow

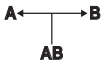
ART. 304017

Code	size	Kv [m³/h]	opening time	€	box	pack
304017 11280	1"1/2	79,4	80 s		1	-
304017 280	2"	136,2	80 s		1	-
304017 11230	1"1/2	79,4	30 s		1	-
304017 230	2"	136,2	30 s		1	-

Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 230 V actuator with manual release.

- Connections: male-male
- Full bore flow





Chrome-plated 3-way diverter zone control ball valve equipped with unions, nuts and 24 V actuator with manual release.

- Connections: male-male
- Full bore flow

ART. 303920

Code	size	Kv [m³/h]	opening time	€	box	pack
303920 11280	1"1/2	40,8	80 s		1	-
303920 280	2"	64,8	80 s		1	-
303920 11230	1"1/2	40,8	30 s		1	-
303920 230	2"	64,8	30 s		1	-

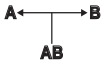
ART. 304020

Code	size	Kv [m³/h]	opening time	€	box	pack
304020 11280	1"1/2	40,8	80 s		1	-
304020 280	2"	64,8	80 s		1	-
304020 11230	1"1/2	40,8	30 s		1	-
304020 230	2"	64,8	30 s		1	-

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: female-female
- Full bore flow





Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: female-female
- Full bore flow

ART. 303921

Code	size	Kv [m³/h]	opening time	€	box	pack
303921 11280	1"1/2	40,8	80 s		1	-
303921 280	2"	64,8	80 s		1	-
303921 11230	1"1/2	40,8	30 s		1	-
303921 230	2"	64,8	30 s		1	-

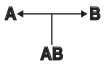
ART. 304021

Code	size	Kv [m³/h]	opening time	€	box	pack
304021 11280	1"1/2	40,8	80 s		1	-
304021 280	2"	64,8	80 s		1	-
304021 11230	1"1/2	40,8	30 s		1	-
304021 230	2"	64,8	30 s		1	-

Chrome-plated 3-way diverter zone control ball valve equipped with 230 V actuator with manual release.

- Connections: male-female
- Full bore flow





Chrome-plated 3-way diverter zone control ball valve equipped with 24 V actuator with manual release.

- Connections: male-female
- Full bore flow

ART. 303922

Code	size	Kv [m³/h]	opening time	€	box	pack
303922 11280	1"1/2	40,8	80 s		1	-
303922 280	2"	64,8	80 s		1	-
303922 11230	1"1/2	40,8	30 s		1	-
303922 230	2"	64,8	30 s		1	-

ART. 304022

Code	size	Kv [m³/h]	opening time	€	box	pack
304022 11280	1"1/2	40,8	80 s		1	-
304022 280	2"	64,8	80 s		1	-
304022 11230	1"1/2	40,8	30 s		1	-
304022 230	2"	64,8	30 s		1	-

Anti-condensation insulation for art. 3039-3040 for cooling systems.





ART. 3042

Code	height/mm	€	box
3042 100	100		1

Adapter for actuators installation (ART. 3039-3040) on 1/2"-3/4"-1"-1"1/4 zone valves.



ART. 8978

Code	€	box
8978		1

Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow



RINA

ART. 3015

Code	size	Kv [m³/h]	€	box	pack
3015 12	1/2"	7,1		1	-
3015 34	3/4"	16,8		1	-
3015 1	1"	25,6		1	-
3015 114	1"1/4	55,2		1	-

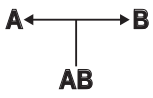
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-male
- Full bore flow



RINA

ART. 3020



Code	size	Kv [m³/h]	€	box	pack
3020 12	1/2"	4,5		1	-
3020 34	3/4"	9,9		1	-
3020 1	1"	13,7		1	-
3020 114	1"1/4	25,5		1	-

Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: female-female
- Full bore flow



RINA

ART. 3016

Code	size	Kv [m³/h]	€	box	pack
3016 12	1/2"	12,6		1	-
3016 34	3/4"	17,5		1	-
3016 1	1"	40,2		1	-

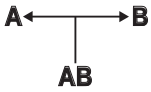
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: female-female
- Full bore flow



RINA

ART. 3021



Code	size	Kv [m³/h]	€	box	pack
3021 12	1/2"	5		1	-
3021 34	3/4"	9,2		1	-
3021 1	1"	14,2		1	-

Chrome-plated 2-way zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-female
- Full bore flow



RINA

ART. 3017

Code	size	Kv [m³/h]	€	box	pack
3017 12	1/2"	9		1	-
3017 34	3/4"	16,7		1	-
3017 1	1"	31,7		1	-
3017 114	1"1/4	68		1	-

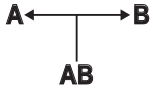
Chrome-plated 3-way diverter zone control ball valve.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male-female
- Full bore flow



RINA

ART. 3022



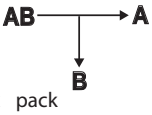
Code	size	Kv [m³/h]	€	box	pack
3022 12	1/2"	5		1	-
3022 34	3/4"	9,2		1	-
3022 1	1"	14,2		1	-
3022 114	1"1/4	24,5		1	-

Chrome-plated 3-way zone valve with by-pass ball.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow

RINA





ART. 3032

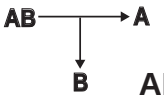
Code	size	Kv [m³/h]	€	box	pack
3032 12	1/2"	7,1		1	-
3032 34	3/4"	16,8		1	-
3032 1	1"	25,6		1	-
3032 114	1"1/4	55,2		1	-

Chrome-plated 3-way zone valve with by-pass ball and 24x19 central connection.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow



RINA



ART. 3031

ATTACCO 24x19 CONNECTION

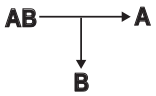
Code	size	Kv [m³/h]	€	box	pack
3031 34	3/4"	16,8		1	-
3031 1	1"	25,6		1	-

Chrome-plated 3-way zone valve with by-pass Tee.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- Adjustable centre line between ports: from 52 mm to 63 mm
- AB-A Full bore flow
- AB-B Reduced bore flow

RINA





ART. 3025

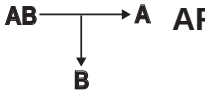
Code	size	Kv [m³/h]	€	box	pack
3025 34	3/4"	16,8		1	-
3025 1	1"	25,6		1	-

Chrome-plated 3-way zone valve with by-pass Tee and 24x19 central connection.

- Valve body: CW617N brass
- Sealing gaskets: EPDM O-ring and PTFE seats
- Nominal pressure: 16 bar
- Max. differential pressure: 5 bar
- Circulating fluid temperature: -10°C (with frost protection) + 100°C
- Compatible fluids: water with or without glycol
- Connections: male
- AB-A Full bore flow
- AB-B Reduced bore flow



RINA



ART. 3030

ATTACCO 24x19 CONNECTION

Code	size	Kv [m³/h]	€	box	pack
3030 34	3/4"	16,8		1	-
3030 1	1"	25,6		1	-

Chrome-plated by-pass Tee for zone valve, art. 3025.



ART. 3026

Code	size	€	box	pack
3026 34	3/4"		1	-
3026 1	1"		1	-

Chrome-plated by-pass Tee for copper connection for zone valve, art. 3030.



ART. 3027

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
3027 34	3/4"		1	-
3027 1	1"		1	-

2-way BRASS thermo-electric piston stop valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS plastic
- **Connections: 1/2"-3/4"-1" male**



ART. 3087

Code	size	Kv [m³/h]	€	box	pack
3087 12	1/2"	1,88		1	50
3087 34	3/4"	2,50		1	50
3087 1	1"	3,50		1	50

2-way BRASS thermo-electric piston stop valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM Sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS plastic
- **Connections: 1/2"-3/4" female**



ART. 3088

Code	size	Kv [m³/h]	€	box	pack
3088 12	1/2"	2,37		1	50
3088 34	3/4"	3,50		1	50

ACCESSORIES:

Brass connection fitting with swiveling nut.

- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass

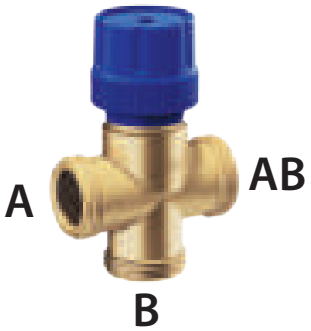


ART. 8313

Code	size	€	box
8313 12	1/2"x 1/2"		1
8313 3412	3/4"x 1/2"		1
8313 34	3/4"x 3/4"		1
8313 134	1"x 3/4"		1
8313 1	1"x 1"		1

3-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS plastic
- **Connections: 1/2"-3/4"-1" male**

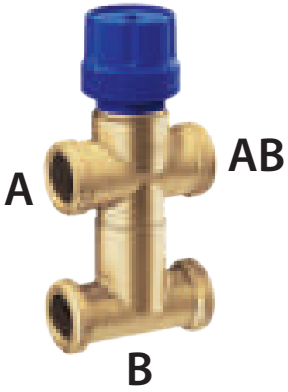


ART. 3086

Code	size	Kv AB-A [m³/h]	Kv AB-B [m³/h]	€	box	pack
3086 12	1/2"	1,85	2,00		1	50
3086 34	3/4"	2,40	3,10		1	50
3086 1	1"	3,30	3,20		1	50

4-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS plastic
- **Connections: 1/2"-3/4" male**



ART. 3089

Code	size	Kv AB-A [m³/h]	Kv AB-B [m³/h]	€	box	pack
3089 12	1/2"	1,74	1,72		1	-
3089 34	3/4"	2,56	1,87		1	-

2-way BRASS stop and balancing thermo-electric piston valve.

- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 10bar
- ΔPmax: 3bar
- Ring and handle: ABS
- Numbered ring for setting
- Regulation key
- **Connections: 3/4"-1" male**
- **Side connections for probe**



ART. 3085

Code	size	Kv [m³/h]	€	box	pack
3085 34	3/4"	2,35		1	50
3085 1	1"	3,10		1	50

3-way BRASS thermo-electric piston valve.

- Functioning: diverter or mixing
- Suitable for thermo-electric actuator
- Body made of CW617N forged brass
- EPDM sealing O-ring
- Tmax: 95°C
- Pmax: 16bar
- ΔPmax: 1,5bar
- Ring and handle: ABS
- Numbered ring for setting
- Regulation key
- **Connections: 1" male**
- **Side connections for probe**



ART. 3094

Code	size	Kv AB-A [m³/h]	Kv AB-B [m³/h]	€	box	pack
3094 1	1"	3,00	3,00		1	50

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC		1	100
1919	230 V	180 s	NC		1	100
1929	24 V	180 s	NA		1	100
1939	230 V	180 s	NA		1	100

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC		1	100
1924	230 V	180 s	NC		1	100
1913	24 V	90 s	NC		1	100
1923	230 V	90 s	NC		1	100

Proportional actuator for piston valves.

- Voltage: 24V
- Control operation: 0-10V
- Protection rating: IP54



ART. 1911

Code	voltage	€	box
1911	24 V		1

Thermo-electric proportional actuator for piston valves.

- Voltage: 24V
- Control operation: 0-10V
- Protection rating: IP54



ART. 1912

Code	voltage	€	box
1912	24 V		1

Proportional actuator for piston valves.

- Voltage: 230V
- Control operation: 3-Point
- Protection rating: IP54



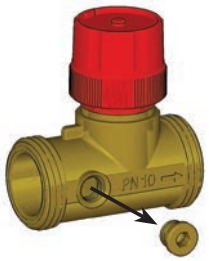
ART. 1921

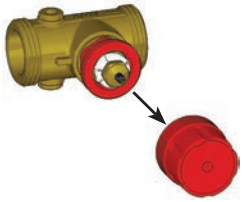
Code	voltage	€	box
1921	230 V		1

3 STOP VALVES

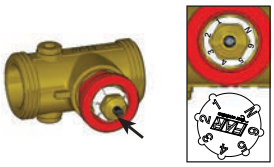
The stop valves control the circuit opening and closing by means of a thermo-electric actuator.
The valves Art. 3085 and Art. 3094 are equipped with a PRESETTING system, which allows the water flow to be divided by means of a shaped body.
The valve can be set by removing the handle and rotating the body up to the preset design position (from 1 to 6).

The valve sides (Art. 3085 and Art. 3094) have plugs for the installation of the seating for the temperature probe.

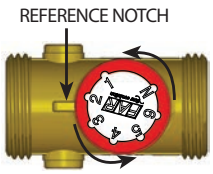




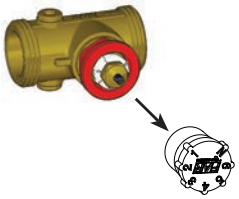
1. Completely unscrew the handle by turning it counter clockwise.



2. Insert the regulating key included in the package by matching the letter N on the key with the one on the valve.



3. Turn the key clockwise or counter clockwise, moving it to the designed value up to the set point.



4. Remove the key and replace the handle or the thermostatic head.

The stop valves control the circuit opening and closing by means of a thermo-electric actuator.

The shut-off valves are suitable for the installation of the FAR thermo-electric actuators:

2 wiring ON/OFF thermo-electric actuators:

Art. 1909	24V	180 s	NC*
Art. 1919	230V	180 s	NC*
Art. 1929	24V	180 s	NA*
Art. 1939	230V	180 s	NA*

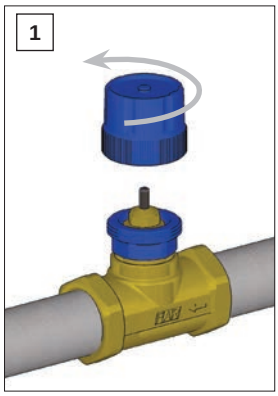
4 wiring ON/OFF thermo-electric actuators with auxiliary micro-switch:

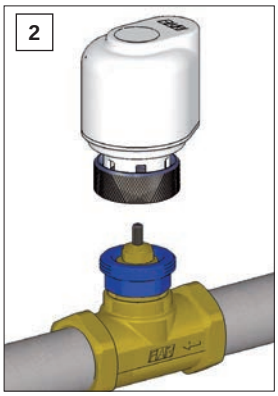
Art. 1914	24V	180 s	NC*
Art. 1924	230V	180 s	NC*
Art. 1913	24V	90 s	NC*
Art. 1923	230V	90 s	NC*

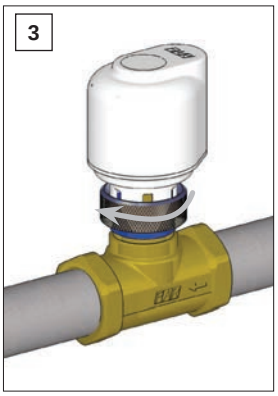
*NC: normally closed *NA: normally open

THERMO-ELECTRIC ACTUATOR INSTALLATION

1- Unscrew the handle
2- Position the actuator on the valve
3- Screw the actuator locking ring









In order to install the actuators **art.1911-1912-1921** on piston valves, remove the manual handle from the valve and screw the appropriate adapter included in the package. Then place the actuator over the adapter and press down until it engages.

N.B. At the first electrical connection, the actuators will perform a complete stroke before being operating.





FAR flow evolution

Thermo-electric manifolds and spare parts 04

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FAR thermo-electric manifolds are suitable for flow distribution within heating and cooling systems.

They are available in 1", 1"1/4 and 1"1/2 sizes.

MANIFOLDS SUITABLE FOR THERMO-ELECTRIC ACTUATORS – RETURN CIRCUIT



The special shape of FAR manifolds facilitates high flow rates by reducing flow resistance.

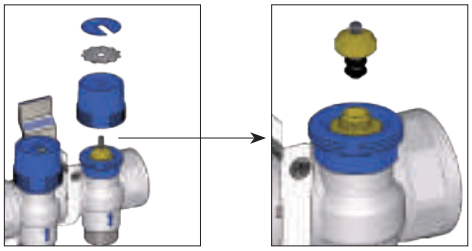
This special feature permits optimum choice of manifold diameter in relation to the number of circuits to be connected.



Thermo-electric actuator installation

Screw the thermo-electric actuator by hand and tighten the ring.

Do not use plumbing wrenches, tongs or other similar tools.



The return manifold is equipped with a blue handle and two silk-screen printed discs for circuit identification.

A thermo-electric actuator can be fixed to the manifold once the blue handle is removed.

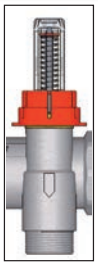
Thanks to the simple safety system, it is possible to replace the double O-ring seal of the body, without any need to drain the system.

MANIFOLDS WITH LOCKSHIELD VALVES OR FLOWMETERS - SUPPLY CIRCUIT

The supply manifold is equipped with a micrometric regulation system, with which it is possible to regulate or shut off flow within the system.

FAR offers two different versions

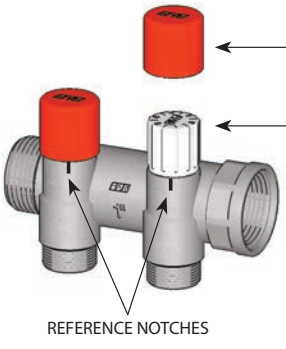
- one provided with flowmeters for flow-rate control
- one provided with a new balancing body





BALANCING LOCKSHIELD VALVES

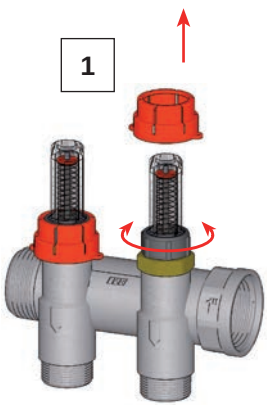
Adjustment is carried out by means of the handle indicating the reference numbers. The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.

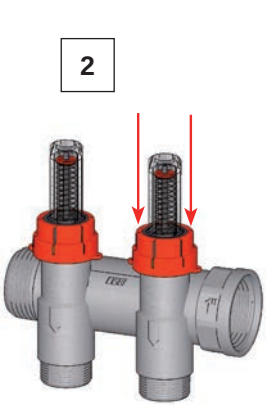


To install the anti-tamper guard, simply insert it on the regulating handle.
The red cap turns freely as it is not gripped by the handle, therefore eliminating the possibility of interference.

FLOWMETERS

To fully open and then balance the flowmeters, remove the anti-tampering device and turn the regulating valve clockwise to decrease flow, or counterclockwise to increase it (**picture No. 1**). Once balancing has been completed, lock the flowmeter again with the anti-tampering device (**picture No. 2**).





Chrome-plated brass FLANGED modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm



ART. 3914

Code	outlets	size	€	box
3914 102	2	1"		1
3914 103	3	1"		1
3914 104	4	1"		1
3914 105	5	1"		1
3914 106	6	1"		1
3914 107	7	1"		1
3914 108	8	1"		1
3914 109	9	1"		1
3914 110	10	1"		1
3914 111	11	1"		1
3914 112	12	1"	257,13	1

Chrome-plated brass FLANGED modular supply manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm
- **Patented**



ART. 3915

Code	outlets	size	€	box
3915 102	2	1"		1
3915 103	3	1"		1
3915 104	4	1"		1
3915 105	5	1"		1
3915 106	6	1"		1
3915 107	7	1"		1
3915 108	8	1"		1
3915 109	9	1"		1
3915 110	10	1"		1
3915 111	11	1"		1
3915 112	12	1"		1

Chrome-plated brass FLANGED modular supply manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3972

Code	outlets	size	€	box
3972 102	2	1"		1
3972 103	3	1"		1
3972 104	4	1"		1
3972 105	5	1"		1
3972 106	6	1"		1
3972 107	7	1"		1
3972 108	8	1"		1
3972 109	9	1"		1
3972 110	10	1"		1
3972 111	11	1"		1
3972 112	12	1"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm



ART. 3916

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3916 102	2	1"		1
3916 103	3	1"		1
3916 104	4	1"		1
3916 105	5	1"		1
3916 106	6	1"		1
3916 107	7	1"		1
3916 108	8	1"		1
3916 109	9	1"		1
3916 110	10	1"		1
3916 111	11	1"		1
3916 112	12	1"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3973

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3973 102	2	1"		1
3973 103	3	1"		1
3973 104	4	1"		1
3973 105	5	1"		1
3973 106	6	1"		1
3973 107	7	1"		1
3973 108	8	1"		1
3973 109	9	1"		1
3973 110	10	1"		1
3973 111	11	1"		1
3973 112	12	1"		1

Chrome-plated brass FLANGED modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm

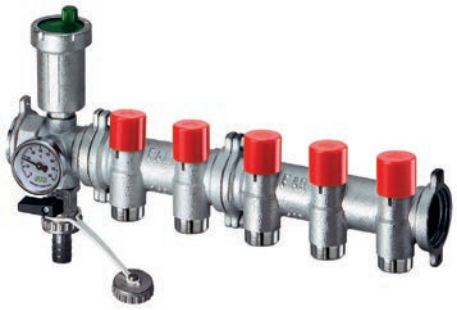


ART. 3463

Code	outlets	size	€	box
3463 104	4	1"		1
3463 105	5	1"		1
3463 106	6	1"		1
3463 107	7	1"		1
3463 108	8	1"		1
3463 109	9	1"		1
3463 110	10	1"		1
3463 111	11	1"		1
3463 112	12	1"		1

Chrome-plated brass FLANGED modular manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm
- **Patented**



ART. 3464

Code	outlets	size	€	box
3464 104	4	1"		1
3464 105	5	1"		1
3464 106	6	1"		1
3464 107	7	1"		1
3464 108	8	1"		1
3464 109	9	1"		1
3464 110	10	1"		1
3464 111	11	1"		1
3464 112	12	1"		1

Chrome-plated brass FLANGED modular manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3562

Code	outlets	size	€	box
3562 104	4	1"		1
3562 105	5	1"		1
3562 106	6	1"		1
3562 107	7	1"		1
3562 108	8	1"		1
3562 109	9	1"		1
3562 110	10	1"		1
3562 111	11	1"		1
3562 112	12	1"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Centre distance between ports: 50 mm



ART. 3465

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3465 103	3	1"		1
3465 104	4	1"		1
3465 105	5	1"		1
3465 106	6	1"		1
3465 107	7	1"		1
3465 108	8	1"		1
3465 109	9	1"		1
3465 110	10	1"		1
3465 111	11	1"		1
3465 112	12	1"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445 complete with automatic air vent valve, temperature gauge and drain cock.
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Screws and O-rings for connection
- Connection: 1" female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3563

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3563 103	3	1"		1
3563 104	4	1"		1
3563 105	5	1"		1
3563 106	6	1"		1
3563 107	7	1"		1
3563 108	8	1"		1
3563 109	9	1"		1
3563 110	10	1"		1
3563 111	11	1"		1
3563 112	12	1"		1

Chrome-plated brass modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: 50 mm

ART. 3913



Code	outlets	size	€	box	Code	outlets	size	€	box
3913 102	2	1"		1	3913 11402	2	1"1/4		1
3913 103	3	1"		1	3913 11403	3	1"1/4		1
3913 104	4	1"		1	3913 11404	4	1"1/4		1
3913 105	5	1"		1	3913 11405	5	1"1/4		1
3913 106	6	1"		1	3913 11406	6	1"1/4		1
3913 107	7	1"		1	3913 11407	7	1"1/4		1
3913 108	8	1"		1	3913 11408	8	1"1/4		1
3913 109	9	1"		1	3913 11409	9	1"1/4		1
3913 110	10	1"		1	3913 11410	10	1"1/4		1
3913 111	11	1"		1	3913 11411	11	1"1/4		1
3913 112	12	1"		1	3913 11412	12	1"1/4		1

Chrome-plated brass modular supply manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: 50 mm
- **Patented**

ART. 3923



Code	outlets	size	€	box	Code	outlets	size	€	box
3923 102	2	1"		1	3923 11402	2	1"1/4		1
3923 103	3	1"		1	3923 11403	3	1"1/4		1
3923 104	4	1"		1	3923 11404	4	1"1/4		1
3923 105	5	1"		1	3923 11405	5	1"1/4		1
3923 106	6	1"		1	3923 11406	6	1"1/4		1
3923 107	7	1"		1	3923 11407	7	1"1/4		1
3923 108	8	1"		1	3923 11408	8	1"1/4		1
3923 109	9	1"		1	3923 11409	9	1"1/4		1
3923 110	10	1"		1	3923 11410	10	1"1/4		1
3923 111	11	1"		1	3923 11411	11	1"1/4		1
3923 112	12	1"		1	3923 11412	12	1"1/4		1

Chrome-plated brass modular supply manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm

ART. 3970



Code	outlets	size	€	box	Code	outlets	size	€	box
3970 102	2	1"		1	3970 11402	2	1"1/4		1
3970 103	3	1"		1	3970 11403	3	1"1/4		1
3970 104	4	1"		1	3970 11404	4	1"1/4		1
3970 105	5	1"		1	3970 11405	5	1"1/4		1
3970 106	6	1"		1	3970 11406	6	1"1/4		1
3970 107	7	1"		1	3970 11407	7	1"1/4		1
3970 108	8	1"		1	3970 11408	8	1"1/4		1
3970 109	9	1"		1	3970 11409	9	1"1/4		1
3970 110	10	1"		1	3970 11410	10	1"1/4		1
3970 111	11	1"		1	3970 11411	11	1"1/4		1
3970 112	12	1"		1	3970 11412	12	1"1/4		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Centre distance between ports: 50 mm



ART. 3929

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box	Code	outlets	size	€	box
3929 102	2	1"		1	3929 11402	2	1"1/4		1
3929 103	3	1"		1	3929 11403	3	1"1/4		1
3929 104	4	1"		1	3929 11404	4	1"1/4		1
3929 105	5	1"		1	3929 11405	5	1"1/4		1
3929 106	6	1"		1	3929 11406	6	1"1/4		1
3929 107	7	1"		1	3929 11407	7	1"1/4		1
3929 108	8	1"		1	3929 11408	8	1"1/4		1
3929 109	9	1"		1	3929 11409	9	1"1/4		1
3929 110	10	1"		1	3929 11410	10	1"1/4		1
3929 111	11	1"		1	3929 11411	11	1"1/4		1
3929 112	12	1"		1	3929 11412	12	1"1/4		1
3929 113	13	1"		1	3929 11413	13	1"1/4		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 male-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3971

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box	Code	outlets	size	€	box
3971 102	2	1"		1	3971 11402	2	1"1/4		1
3971 103	3	1"		1	3971 11403	3	1"1/4		1
3971 104	4	1"		1	3971 11404	4	1"1/4		1
3971 105	5	1"		1	3971 11405	5	1"1/4		1
3971 106	6	1"		1	3971 11406	6	1"1/4		1
3971 107	7	1"		1	3971 11407	7	1"1/4		1
3971 108	8	1"		1	3971 11408	8	1"1/4		1
3971 109	9	1"		1	3971 11409	9	1"1/4		1
3971 110	10	1"		1	3971 11410	10	1"1/4		1
3971 111	11	1"		1	3971 11411	11	1"1/4		1
3971 112	12	1"		1	3971 11412	12	1"1/4		1
3971 113	13	1"		1	3971 11413	13	1"1/4		1

Chrome-plated brass modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Centre distance between ports: 50 mm

ART. 3460



Code	outlets	size	€	box	Code	outlets	size	€	box
3460 104	4	1"		1	3460 11404	4	1"1/4		1
3460 105	5	1"		1	3460 11405	5	1"1/4		1
3460 106	6	1"		1	3460 11406	6	1"1/4		1
3460 107	7	1"		1	3460 11407	7	1"1/4		1
3460 108	8	1"		1	3460 11408	8	1"1/4		1
3460 109	9	1"		1	3460 11409	9	1"1/4		1
3460 110	10	1"		1	3460 11410	10	1"1/4		1
3460 111	11	1"		1	3460 11411	11	1"1/4		1
3460 112	12	1"		1	3460 11412	12	1"1/4		1

Chrome-plated brass modular manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Centre distance between ports: 50 mm
- **Patented**

ART. 3461



Code	outlets	size	€	box	Code	outlets	size	€	box
3461 104	4	1"		1	3461 11404	4	1"1/4		1
3461 105	5	1"		1	3461 11405	5	1"1/4		1
3461 106	6	1"		1	3461 11406	6	1"1/4		1
3461 107	7	1"		1	3461 11407	7	1"1/4		1
3461 108	8	1"		1	3461 11408	8	1"1/4		1
3461 109	9	1"		1	3461 11409	9	1"1/4		1
3461 110	10	1"		1	3461 11410	10	1"1/4		1
3461 111	11	1"		1	3461 11411	11	1"1/4		1
3461 112	12	1"		1	3461 11412	12	1"1/4		1

Chrome-plated brass modular manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm

ART. 3560



Code	outlets	size	€	box	Code	outlets	size	€	box
3560 104	4	1"		1	3560 11404	4	1"1/4		1
3560 105	5	1"		1	3560 11405	5	1"1/4		1
3560 106	6	1"		1	3560 11406	6	1"1/4		1
3560 107	7	1"		1	3560 11407	7	1"1/4		1
3560 108	8	1"		1	3560 11408	8	1"1/4		1
3560 109	9	1"		1	3560 11409	9	1"1/4		1
3560 110	10	1"		1	3560 11410	10	1"1/4		1
3560 111	11	1"		1	3560 11411	11	1"1/4		1
3560 112	12	1"		1	3560 11412	12	1"1/4		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Centre distance between ports: 50 mm



ART. 3462

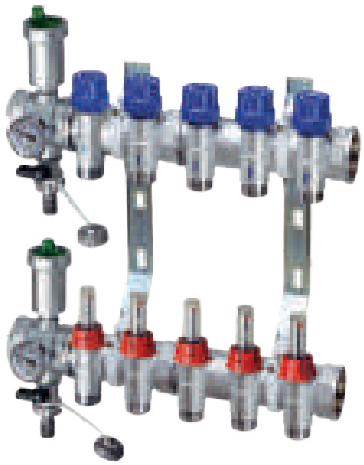
ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3462 102	2	1"		1
3462 103	3	1"		1
3462 104	4	1"		1
3462 105	5	1"		1
3462 106	6	1"		1
3462 107	7	1"		1
3462 108	8	1"		1
3462 109	9	1"		1
3462 110	10	1"		1
3462 111	11	1"		1
3462 112	12	1"		1
3462 113	13	1"		1
3462 114	14	1"		1

Code	outlets	size	€	box
3462 11403	3	1"1/4		1
3462 11404	4	1"1/4		1
3462 11405	5	1"1/4		1
3462 11406	6	1"1/4		1
3462 11407	7	1"1/4		1
3462 11408	8	1"1/4		1
3462 11409	9	1"1/4		1
3462 11410	10	1"1/4		1
3462 11411	11	1"1/4		1
3462 11412	12	1"1/4		1
3462 11413	13	1"1/4		1
3462 11414	14	1"1/4		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438 complete with automatic air vent valve, temperature gauge and drain cock.
- Fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Connection: 1" – 1"1/4 female-female
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3561

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3561 102	2	1"		1
3561 103	3	1"		1
3561 104	4	1"		1
3561 105	5	1"		1
3561 106	6	1"		1
3561 107	7	1"		1
3561 108	8	1"		1
3561 109	9	1"		1
3561 110	10	1"		1
3561 111	11	1"		1
3561 112	12	1"		1
3561 113	13	1"		1
3561 114	14	1"		1

Code	outlets	size	€	box
3561 11403	3	1"1/4		1
3561 11404	4	1"1/4		1
3561 11405	5	1"1/4		1
3561 11406	6	1"1/4		1
3561 11407	7	1"1/4		1
3561 11408	8	1"1/4		1
3561 11409	9	1"1/4		1
3561 11410	10	1"1/4		1
3561 11411	11	1"1/4		1
3561 11412	12	1"1/4		1
3561 11413	13	1"1/4		1
3561 11414	14	1"1/4		1

The set point control and mixing units are suitable for use in underfloor heating systems for low temperature distribution, and also with combined high and low temperature supplies where high temperature circuits such as radiators are included. They are designed for connection to both flow and return lines with provision for an integral pump.



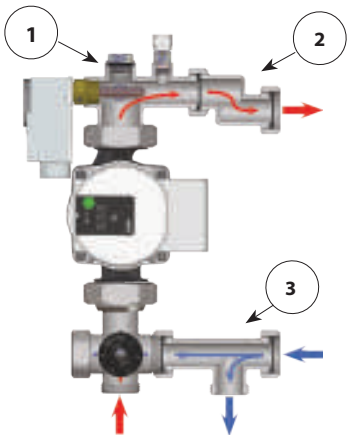
Art. 3480



Art. 3493

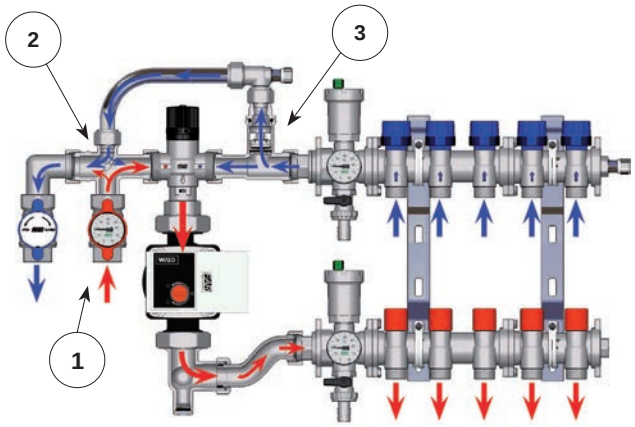
FUNCTION OF ART. 3493

The Set Point Control version is suitable for heating systems: this unit can be manually adjusted by turning the handle of the thermostatic mixer to the desired flow temperature value. The pump should always be installed at the mixer outlet, in place of the brass extension piece. The mixed fluid coming out of the pump passes into a fitting (1) on which it is possible to install a safety thermostat with a 1/2" connection. After the connection, the fluid passes through an eccentric (2) which allows to adapt the centre distance of the unit to the one of the manifolds that will be installed. Fluid coming back from the heating circuit passes through a fitting (3) that allows a part of water to re-enter to the boiler, while the remainder is diverted to the thermostatic mixer to mix with the high temperature one.



FUNCTION OF ART. 3480

Circulation is as follows: the high temperature water supplied from the boiler reaches the mixer unit through a ball valve (1) and a by-pass diverter connection (2). The connection (2) allows the high-temperature water rejected by the thermostatic mixer to be sent back to the boiler, while at the same time, directing the water coming from the manifolds to the boiler return line trough the return connection (3). The mixer unit is designed to ensure a constant supply of water at the required temperature to the underfloor heating loops - blending in supplies of high temperature water from the boiler as necessary. Water leaves the mixer unit and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and through the return connection (3) a proportion of the water re-enters the mixing unit restarting circulation while the remainder is diverted back to the boiler.



THERMOSTATIC MIXER

The thermostatic mixer is designed to ensure a constant supply of water for the low temperature system. The delivery temperature set-up must be carried out when starting up the system taking the design temperature as a reference. An initial set-up can be achieved based on the relation between the setting on the mixer and the flow water temperature. See below:

POSITION	Min.	1	2	3	4	5	Max
T ±2 [°C]	18	20	22	30	40	50	55





IMMERSION SAFETY THERMOSTAT

The immersion thermostat located on the control and mixing unit is designed to shut down the pump, or the boiler, when required. It is a liquid-filled type thermostat. The graduated knob allows the operator to set the maximum temperature value for the system.

Temperature setting range: 10 - 90°C



PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the plastic template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA: Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.**

The pumps have a 130mm centre distance, 1"1/2 male connections and 230 V supply.

Set point control unit for underfloor heating systems.
- Primary side connections (boiler): 1″ male
- Secondary side connections (manifold): 1″ female with swiveling nut



ART. 3493

Code	size	€	box
3493 1	1″		1

Set point control unit complete with thermostatic valve.
- Primary side connections (boiler): 1/2″ female
- Secondary side connections (manifold): 1″ male with O-ring
- Temperature gauges: 0-80°C
- Manual air vent valve
- Side adjustable drain cock
- Primary side balancing lockshield valve
- Temperature range of thermostatic valve: 10 ÷ 50°C



ART. 3497

Code	size	€	box
3497 1	1″		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3493-3497**



IMMERSION SAFETY THERMOSTAT

Code	Thermostat type	€
7950	immersion	

Set point control unit for underfloor heating systems.
- Connection to flow and return pipelines: 3/4″ female



ART. 3480

Code	size	€	box
3480 34	3/4″		1
3480 1	1″		1
3480 114	1″1/4		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3477-3480**

Pre-assembled unit for underfloor heating systems, complete with set point control unit and high temperature distribution manifolds.
- Interchangeable sizes for copper, plastic and multilayer pipes
- Fixing brackets, art. 7480



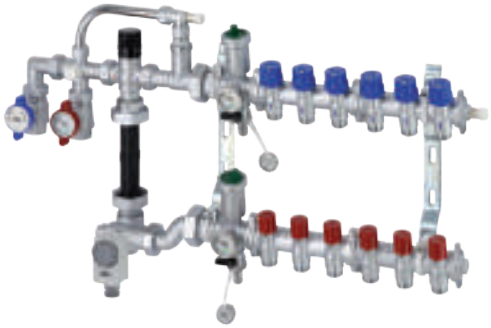
ART. 3477

Code	radiator outlets	size	€	box
3477 102	2	1″		1
3477 103	3	1″		1
3477 104	4	1″		1
3477 105	5	1″		1

4 SET POINT CONTROL UNIT

Pre-assembled unit for underfloor heating systems, complete with:
- set point control unit
- low temperature supply manifold with built-in balancing lockshield valves
- low temperature return manifold with built-in shut-off valves
- fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Centre distance between ports: 50 mm



ART. 3481

Code	outlets	size	€	box
3481 102	2	1″		1
3481 103	3	1″		1
3481 104	4	1″		1
3481 105	5	1″		1
3481 106	6	1″		1
3481 107	7	1″		1
3481 108	8	1″		1
3481 109	9	1″		1
3481 110	10	1″		1
3481 111	11	1″		1
3481 112	12	1″		1

ACCESSORIES:



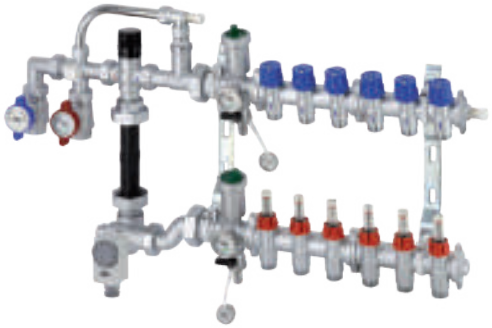
PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3481**

Pre-assembled unit for underfloor heating systems, complete with:
- set point control unit
- low temperature supply manifold with flowmeters and flow-rate balancing valves
- low temperature return manifold with built-in shut-off valves
- fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3564

Code	outlets	size	€	box
3564 102	2	1″		1
3564 103	3	1″		1
3564 104	4	1″		1
3564 105	5	1″		1
3564 106	6	1″		1
3564 107	7	1″		1
3564 108	8	1″		1
3564 109	9	1″		1
3564 110	10	1″		1
3564 111	11	1″		1
3564 112	12	1″		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3564**

Pre-assembled mixed unit for underfloor heating systems complete with:
- set point control unit
- low temperature supply manifold with built-in balancing lockshield valves
- low temperature return manifold with built-in shut-off valves
- high temperature distribution manifolds
- fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Centre distance between ports: 50 mm



ART. 3483

Code	floor outlets	radiator outlets	size	€	box
3483 10302	3	2	1"		1
3483 10402	4	2	1"		1
3483 10502	5	2	1"		1
3483 10602	6	2	1"		1
3483 10702	7	2	1"		1
3483 10802	8	2	1"		1
3483 10902	9	2	1"		1
3483 11002	10	2	1"		1
3483 11102	11	2	1"		1
3483 10303	3	3	1"		1
3483 10403	4	3	1"		1
3483 10503	5	3	1"		1
3483 10603	6	3	1"		1
3483 10703	7	3	1"		1
3483 10803	8	3	1"		1
3483 10903	9	3	1"		1
3483 11003	10	3	1"		1

ACCESSORIES:



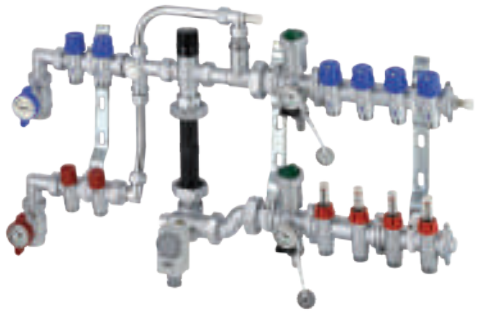
PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3483**

Pre-assembled mixed unit for underfloor heating systems complete with:
- set point control unit
- low temperature supply manifold with flowmeters and flow-rate balancing valves
- low temperature return manifold with built-in shut-off valves
- high temperature distribution manifolds
- fixing brackets, art. 7480

- Interchangeable sizes for copper, plastic and multilayer pipes
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3566

Code	floor outlets	radiator outlets	size	€	box
3566 10302	3	2	1"		1
3566 10402	4	2	1"		1
3566 10502	5	2	1"		1
3566 10602	6	2	1"		1
3566 10702	7	2	1"		1
3566 10802	8	2	1"		1
3566 10902	9	2	1"		1
3566 11002	10	2	1"		1
3566 11102	11	2	1"		1
3566 10303	3	3	1"		1
3566 10403	4	3	1"		1
3566 10503	5	3	1"		1
3566 10603	6	3	1"		1
3566 10703	7	3	1"		1
3566 10803	8	3	1"		1
3566 10903	9	3	1"		1
3566 11003	10	3	1"		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

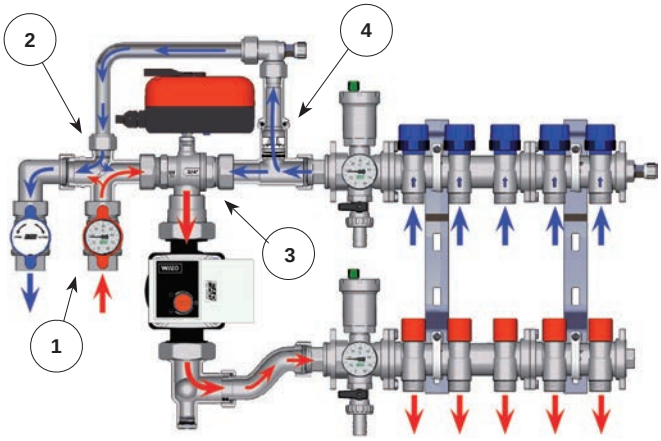
NB **Pumps are supplied only in combination with art. 3566**

Modulating control units for underfloor heating systems are available in HOT only or HOT/COLD versions. They are equipped with a 3-point actuator and a mixing valve. Used in association with a control unit they can manage the flow temperature of an underfloor heating system in accordance with climatic and room conditions.

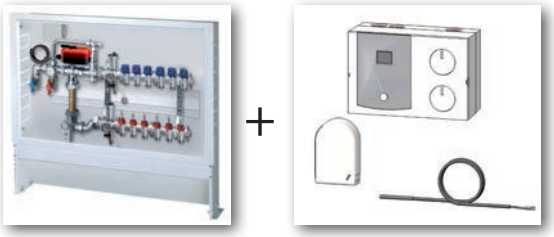
The MODULATING version is suitable for both heating and cooling systems: the main feature is the facility to manage the plant by modulating the supply temperature via a control unit equipped with an external temperature probe. This version can be also used as a set point control unit.
The brass template at the outlet of the mixing valve must always be replaced by a pump.
The unit is equipped with a by-pass between the supply and return sides of the boiler and a safety thermostat.
It is also available with pre-assembled manifolds for distribution of flow for low temperature only, high temperature only, or both.



Art. 3490



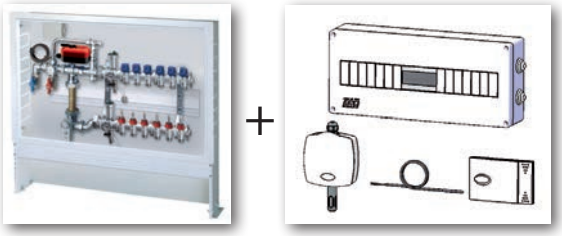
The mixing valve is designed to ensure a constant supply of water, blended to the required temperature, to the underfloor heating loops. Circulation is as follows: water leaves the mixing valve (3), passes through the pump (installed in place of the template) and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and, passing through the return connection (4), re-enters the mixing valve. High temperature water is supplied from the boiler to the mixing valve via a ball valve (1) and diverter connection (2). As it enters the mixing valve an equal volume of lower temperature return water is diverted back to the boiler, passing first through fitting 4 and then through fitting 2, thus automatically keeping the system in balance.



HOT ONLY (HEATING)

If you wish to set up to a "hot only" system, you will require both the regulating unit and an electronic control unit, Art. **9611**, comprising:

- HOT Only electronic control unit
- Supply temperature probe
- External temperature probe
- Seat for supply probe



HOT and COLD (HEATING and COOLING)

However, if you need to use a climatic control which operates the circuit in winter and summer, you will also require a control unit, art.**9610**. It comprises:

- HOT - COLD electronic control unit
- Supply temperature probe
- External temperature probe
- Internal temperature + humidity probe
- Seat for supply probe
- Box for control unit

PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the brass template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA: Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.**

The pumps have a 130mm centre distance, 1"1/2 male connections and 230 V supply.
The pumps are only sold in combination with pre-assembled units.

Modulating control unit for underfloor heating systems, complete with 3-point actuator.

- Connection to flow and return pipelines: 3/4" female



ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	
9611	hot only	

NB **Pumps and control units are supplied only in combination with art. 3490**

ART. 3490

Code	size	voltage	€	box
3490 110	1"	230 V		1

Pre-assembled unit for underfloor heating systems, complete with 3-point actuator and high temperature distribution manifolds.

- Interchangeable sizes for copper, plastic and multilayer pipes
- Fixing brackets, art. 7480



ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	
9611	hot only	

NB **Pumps and control units are supplied only in combination with art. 3491**

ART. 3491

ATTACCO 24x19 CONNECTION

Code	radiator outlets	size	voltage	€	box
3491 10210	2	1"	230 V		1
3491 10310	3	1"	230 V		1
3491 10410	4	1"	230 V		1
3491 10510	5	1"	230 V		1

4 TEMPERATURE GAUGE HOLDER VALVES

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



ART. 3062

Code	size	handle	€	box	pack
3062 134B	3/4" F x 1" M	blue		3	30
3062 134R	3/4" F x 1" M	red		3	30
3062 1B	1" F x 1" M	blue		3	30
3062 1R	1" F x 1" M	red		3	30

TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Female connection with swiveling nut and sealing gasket
- Designed for installation of temperature gauge, art. 2653



ART. 3064

Code	size	handle	€	box	pack
3064 1B	1" F x 1" F	blue		3	30
3064 1R	1" F x 1" F	red		3	30

TEMPERATURE GAUGE HOLDER ball valve, complete with manifolds connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653





ART. 3057 ART. 3058

Code	size	handle	€	box	pack
3057 1B	1"Fx 1"M	blue		5	50
3057 1R	1"F x 1"M	red		5	50
3058 1B	1"F x 1"M	blue		5	50
3058 1R	1"F x 1"M	red		5	50



Connection overview of ART. 3057 - 3058 to FAR manifolds
Sealing between valve and manifold is guaranteed by means of O-Ring

TEMPERATURE GAUGE HOLDER ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Designed for installation of temperature gauge, art. 2653





ART. 5942 ART. 5943

Code	size	handle	Ø pipe	€	box	pack
59422601	3/4"	blue	26x3		4	40
59422602	3/4"	red	26x3		4	40
59422603	1"	blue	26x3		4	40
59422604	1"	red	26x3		4	40
59423201	3/4"	blue	32x3		4	40
59423202	3/4"	red	32x3		4	40
59423203	1"	blue	32x3		4	40
59423204	1"	red	32x3		4	40

Code	size	handle	Ø pipe	€	box	pack
59432601	3/4"	blue	26x3		4	40
59432602	3/4"	red	26x3		4	40
59432603	1"	blue	26x3		4	40
59432604	1"	red	26x3		4	40
59433201	3/4"	blue	32x3		4	40
59433202	3/4"	red	32x3		4	40
59433203	1"	blue	32x3		4	40
59433204	1"	red	32x3		4	40

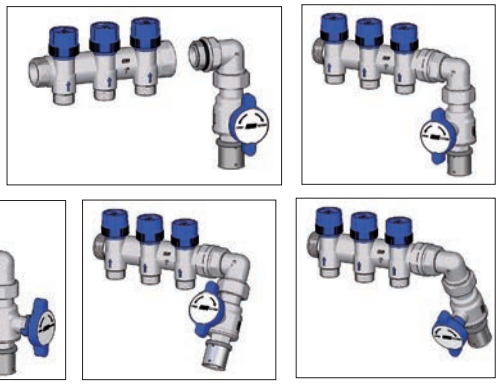
TEMPERATURE GAUGE HOLDER ball valve, complete with swiveling elbow.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



ART. 5951

Code	size	handle	Ø pipe	€	box	pack
59512601	1″	blue	26x3		3	30
59512602	1″	red	26x3		3	30
59513201	1″	blue	32x3		3	30
59513202	1″	red	32x3		3	30



Installation overview

TEMPERATURE GAUGE HOLDER ball valve complete with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- EPDM sealing O-rings
- Nominal pressure: 10 bar
- Connections: female-female
- Max. working temperature: 95°C
- Manual air vent valve
- Designed for installation of temperature gauge, art. 2653



ART. 3078

Code	size	Ø nut	handle	€	box	pack
3078 11BC	1″	1″	blue		1	10
3078 11RC	1″	1″	red		1	10
3078 1112BC	1″	1″1/2	blue		1	10
3078 1112RC	1″	1″1/2	red		1	10

TEMPERATURE GAUGE HOLDER ball valve, complete with manifolds connection.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- PRESSFAR connection for multilayer pipe
- Male connection with O-ring in EPDM suitable for FAR manifolds only
- Designed for installation of temperature gauge, art. 2653



Connection overview of ART. 5948 - 5949 to FAR manifolds
Sealing between valve and manifold is guaranteed by means of O-Ring



ART. 5948



ART. 5949

Code	size	handle	Ø pipe	€	box	pack
59482601	1″	blue	26x3		4	40
59482602	1″	red	26x3		4	40
59483201	1″	blue	32x3		4	40
59483202	1″	red	32x3		4	40
59492601	1″	blue	26x3		4	40
59492602	1″	red	26x3		4	40
59493201	1″	blue	32x3		4	40
59493202	1″	red	32x3		4	40

Ø 40 mm bimetallic temperature gauge

- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240

Chrome-plated brass modular manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: 70 mm



ART. 3910

Code	outlets	size	€	box
3910 11202	2	1"1/2		1
3910 11203	3	1"1/2		1
3910 11204	4	1"1/2		1
3910 11205	5	1"1/2		1
3910 11206	6	1"1/2		1
3910 11207	7	1"1/2		1
3910 11208	8	1"1/2		1
3910 11209	9	1"1/2		1
3910 11210	10	1"1/2		1
3910 11211	11	1"1/2		1
3910 11212	12	1"1/2		1

Chrome-plated brass modular manifold.

- Body made of CB753S brass
- Built-in vertical regulating valves
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: 70 mm



ART. 3920

Code	outlets	size	€	box
3920 11202	2	1"1/2		1
3920 11203	3	1"1/2		1
3920 11204	4	1"1/2		1
3920 11205	5	1"1/2		1
3920 11206	6	1"1/2		1
3920 11207	7	1"1/2		1
3920 11208	8	1"1/2		1
3920 11209	9	1"1/2		1
3920 11210	10	1"1/2		1
3920 11211	11	1"1/2		1
3920 11212	12	1"1/2		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:

- Supply manifold with built-in regulating valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7470

- Body made of CB753S brass
- Interchangeable sizes for d. 25-26 plastic and multilayer pipes
- Connection: 1"1/2 male-female
- Centre distance between ports: 70 mm



ART. 3927

Code	outlets	size	€	box
3927 11202	2	1"1/2		1
3927 11203	3	1"1/2		1
3927 11204	4	1"1/2		1
3927 11205	5	1"1/2		1
3927 11206	6	1"1/2		1
3927 11207	7	1"1/2		1
3927 11208	8	1"1/2		1
3927 11209	9	1"1/2		1
3927 11210	10	1"1/2		1
3927 11211	11	1"1/2		1
3927 11212	12	1"1/2		1

Adapter for PLASTIC pipe suitable for FAR manifolds. Complete with chrome-plated nut with M33x1,5 thread.



ART. 6049

Code	pipe	size	€	box	pack
6049 219834	plastic	25x2,3		25	250

Adapter for MULTILAYER pipe suitable for FAR manifolds. Complete with chrome-plated nut with M33x1,5 thread.



ART. 6057

Code	pipe	size	€	box	pack
6057 263274	multilayer	20x2		25	250
6057 263264	multilayer	20x2,25		25	250
6057 263265	multilayer	20x2,5		25	250
6057 219218	multilayer	25x2,5		25	250
6057 220218	multilayer	26x3		25	250

Chrome-plated brass modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3438

- Body made of CB753S brass
- Interchangeable sizes for Ø 25-26 plastic and multilayer pipes
- Connection: 1"1/2 female-female
- Centre distance between ports: 70 mm



ART. 3457

Code	outlets	size	€	box
3457 11204	4	1"1/2		1
3457 11205	5	1"1/2		1
3457 11206	6	1"1/2		1
3457 11207	7	1"1/2		1
3457 11208	8	1"1/2		1
3457 11209	9	1"1/2		1
3457 11210	10	1"1/2		1
3457 11211	11	1"1/2		1
3457 11212	12	1"1/2		1

Chrome-plated brass modular manifold complete with:
- Supply manifold with built-in regulating valves
- Intermediate connection, art. 3438

- Body made of CB753S brass
- Interchangeable sizes for Ø 25-26 plastic and multilayer pipes
- Connection: 1"1/2 female-female
- Centre distance between ports: 70 mm



ART. 3458

Code	outlets	size	€	box
3458 11204	4	1"1/2		1
3458 11205	5	1"1/2		1
3458 11206	6	1"1/2		1
3458 11207	7	1"1/2		1
3458 11208	8	1"1/2		1
3458 11209	9	1"1/2		1
3458 11210	10	1"1/2		1
3458 11211	11	1"1/2		1
3458 11212	12	1"1/2		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Supply manifold with built-in regulating valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438
- Fixing brackets, art. 7470

- Body made of CB753S brass
- Interchangeable sizes for Ø 25-26 plastic and multilayer pipes
- Centre distance between ports: 70 mm
- Connection: 1"1/2 female-female



ART. 3459

Code	outlets	size	€	box
3459 11202	2	1"1/2		1
3459 11203	3	1"1/2		1
3459 11204	4	1"1/2		1
3459 11205	5	1"1/2		1
3459 11206	6	1"1/2		1
3459 11207	7	1"1/2		1
3459 11208	8	1"1/2		1
3459 11209	9	1"1/2		1
3459 11210	10	1"1/2		1
3459 11211	11	1"1/2		1
3459 11212	12	1"1/2		1

Cap for outlets with M33x1,5 thread.



ART. 4102

Code	€	box
4102		1

Chrome-plated reduction with M33X1,5 thread.
Ø 18-22 versions are complete with sealing kit.



ART. 8852

Code	from size	to size	€	box
8852 30	25-26	24x19		25
8852 G1830	25-26	24x19 Ø 18		25
8852 G2230	25-26	Ø 22		25

Chrome-plated temperature gauge fitting complete with bimetallic temperature gauge.
- Interchangeable sizes for Ø 25-26 plastic and multilayer pipes
- Temperature gauge: 0÷80°C

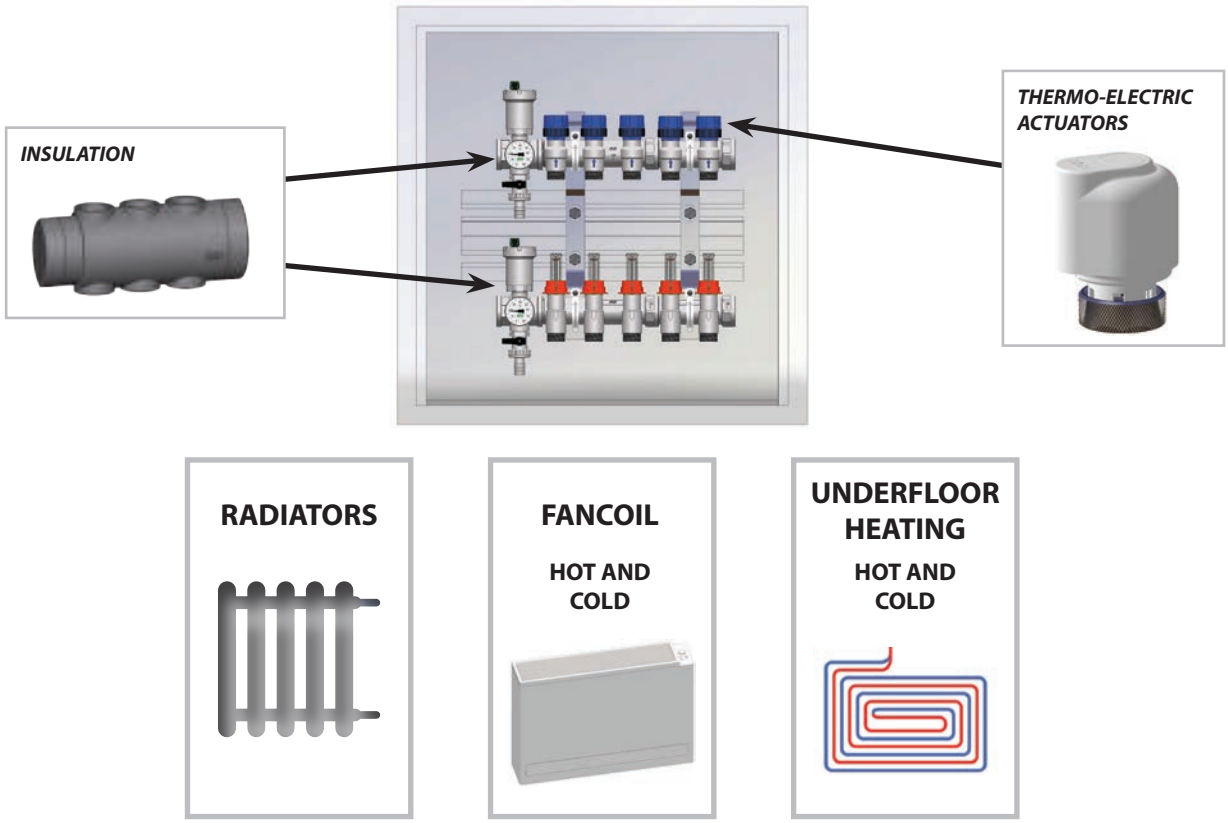


ART. 3427

Code	€	box
3427		1

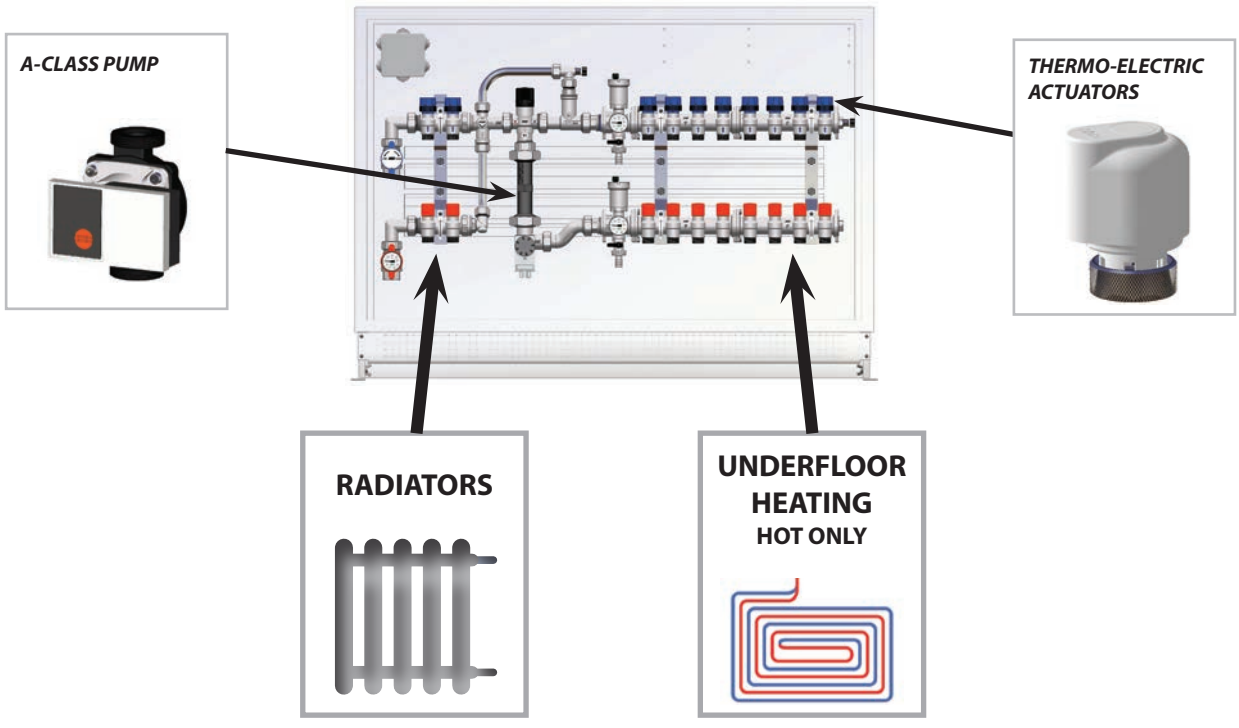
THERMO-ELECTRIC MANIFOLDS

This kind of manifolds is suitable in case of heating systems with radiators or in case of underfloor and/or fan coils heating and cooling systems. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



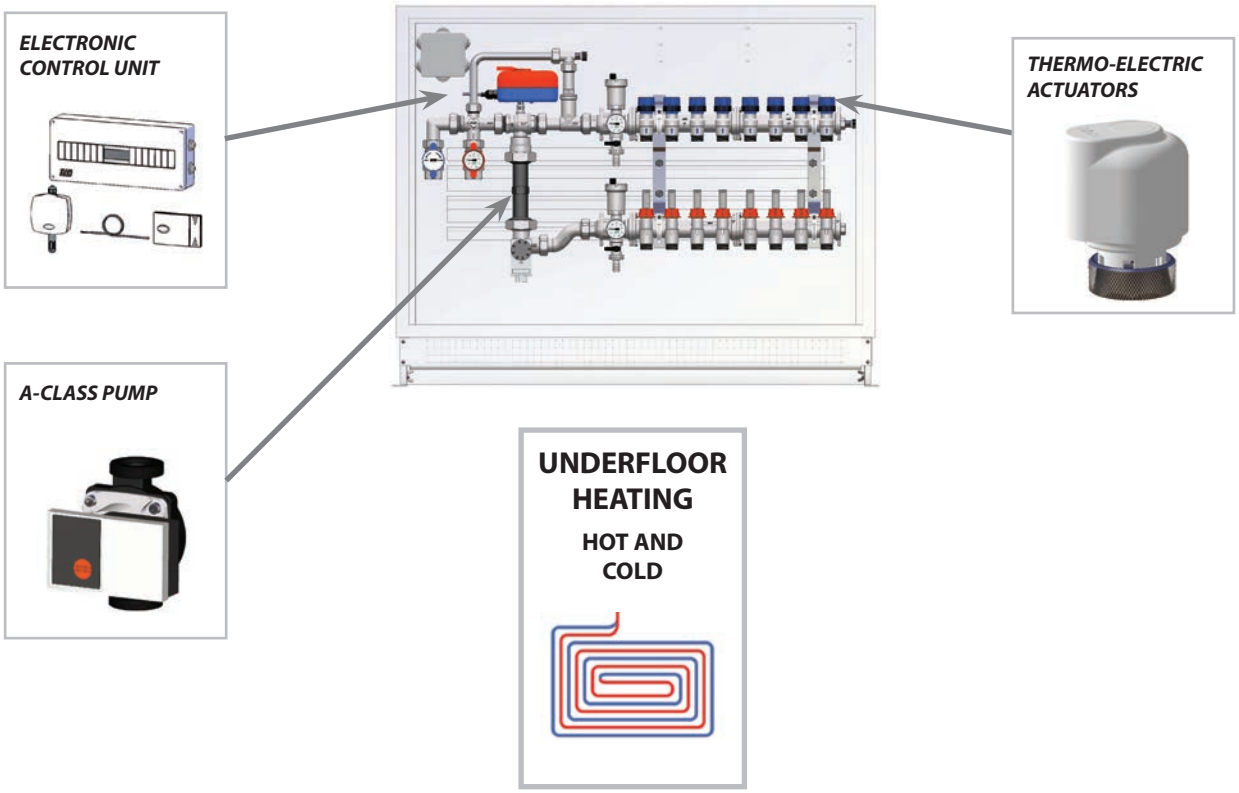
SET POINT REGULATING UNIT

The set point regulating unit allows to have a heating system with two temperature levels. The high temperature works with the heat generator pump and is suitable to be connected to the radiators. The set point mixing group allows to reduce the temperature until the desired value is reached and to distribute the fluid through a pump to the manifolds connected to the underfloor heating. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet.



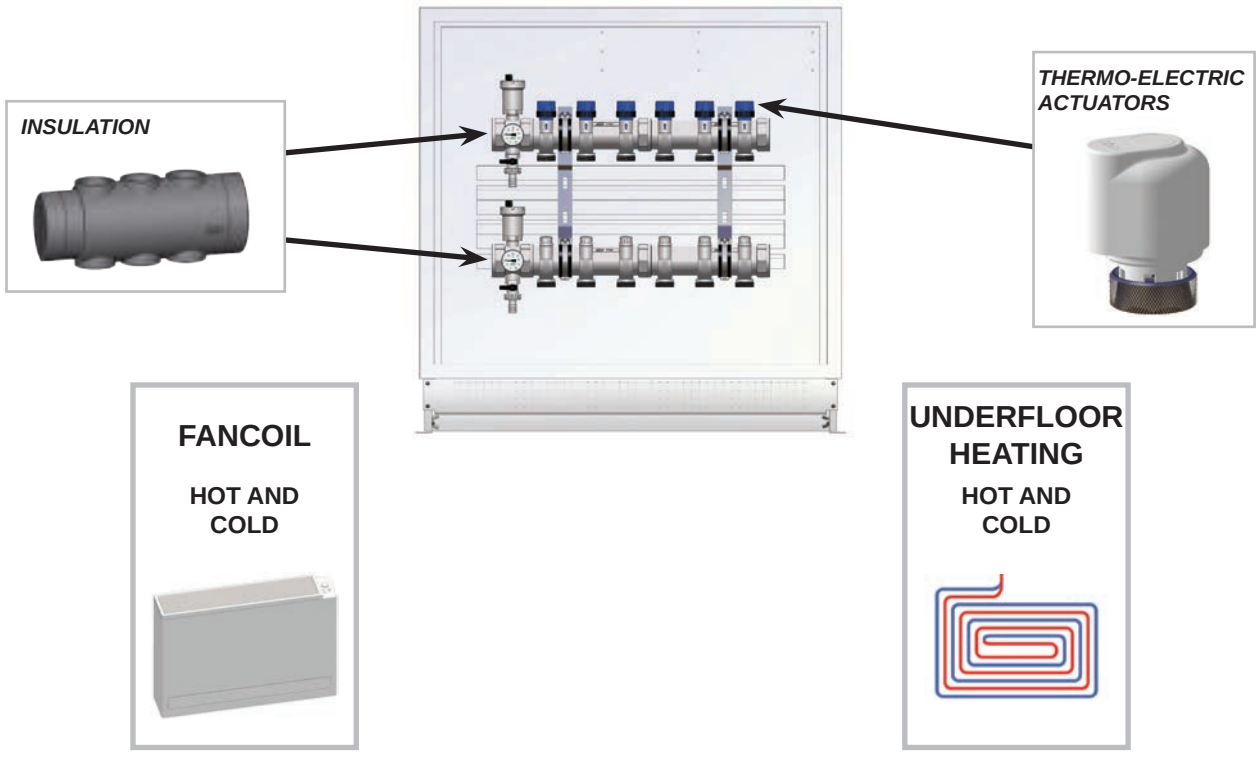
MODULATING CONTROL UNITS

The modulating control unit allows to have fan coils or underfloor heating and/or cooling system. The modulating mixing group is equipped with a 3-point mixing valve and a dedicated pump which has to be connected to an electronic control unit. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



1"1/2 THERMO-ELECTRIC MANIFOLDS

These large size manifolds have been designed for industrial applications in case of heating and/or cooling systems. They are suitable to connect fan coils or underfloor systems. The system can be divided in different areas by installing thermo-electric actuators on each manifold outlet. Insulation shells to cover the manifolds are available, if needed.



2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC		1	100
1919	230 V	180 s	NC		1	100
1929	24 V	180 s	NA		1	100
1939	230 V	180 s	NA		1	100

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC		1	100
1924	230 V	180 s	NC		1	100
1913	24 V	90 s	NC		1	100
1923	230 V	90 s	NC		1	100

Electronic chrono-thermostat complete with weekly programmable clock and digital display.

- Battery operated (by two AA 1,5V alkaline batteries – not supplied)
- Operating mode: AUTO, COMFORT, ECONOMY and OFF / Frost protection
- Program range: 30 minutes
- Hot/Cold switch
- Wall assembly



ART. 7946

Code	€	box	pack
7946		1	-

Chrome-plated adapter suitable for installation of electric actuators on thermo-electric manifolds.

- M30x1,5 thread



ART. 1942

Code	€	box	pack
1942		1	-

Electronic thermostat for heating and cooling systems.

- Digital display and function keys
- Hot/Cold switch
- Operation: COMFORT, ECONOMY and OFF
- Supplied by two AAA 1,5 V batteries



ART. 7944

Code	€	box	pack
7944		1	-

Electronic chrono-thermostat, with weekly programming for the control of heating and air conditioning systems, with the possibility of remote control via SMS messages.

- Backlit display and function keys
- Weekly programming with three temperature levels
- 2 auxiliary alarm inputs (clean contacts)
- 1 relay auxiliary output (clean contacts) programmable by user
- Backup battery for programming data and clock / calendar maintenance
- Power reserve, to send a power failure message (BLACK-OUT)
- Power supply 230V-50Hz
- Suitable sims: GSM SIM, standard with the GSM 11.12 phase 2+ standard



ART. 7943

Code	€	box	pack
7943		1	-

Electromechanical room thermostat complete with steam sensor.

- Scale: 10÷30° C
- Differential: 0,8 K
- System of limitation and/or locking of T selector
- Protection rating: IP20
- Electrical connection with two wires
- Current carrying capacity: 10(2,5)A 250V a.c.

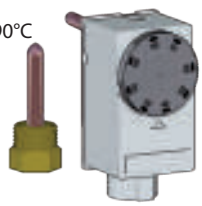


ART. 7948

Code	€	box	pack
7948		1	-

Immersion thermostat.

- Control temperature range: 10÷90°C
- Protection rating: IP40
- Sheath: 1/2" (l=50mm)



ART. 7950

Code	Thermostat type	€	box	pack
7950			1	-

Chrome-plated fitting with double connection.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Sealing O-Ring in EDPM-P
- Suitable for plastic and multilayer pipes up to Ø14mm



ART. 3424

Code	size	€	box	pack
3424	24x19		5	-

Chrome-plated flowmeter.

- Measuring scale: 1-3,5 litres/min.
- Measuring scale: 2-8 litres/min.
- Interchangeable size for copper, plastic and multilayer pipes
- Suitable for installation on return manifolds



ART. 3429

Code	l/min	€	box
3429 4	1 - 3,5		12
3429 8	2-8		12

Chrome-plated temperature gauge fitting.

- Interchangeable size for copper, plastic and multilayer pipes
- Temperature gauge: 0÷80°C



ART. 3434

Code	€	box
3434		1

Chrome-plated revolving terminal connection suitable for manifolds with fixed setting differential by-pass valve.
Complete with chrome-plated air vent valve.



ART. 3420

Code	size	€	box
3420 1	1"		1
3420 114	1"1/4		1

Chrome-plated revolving terminal connection suitable for manifolds.



ART. 3421

Code	size	€	box
3421 1	1"		1
3421 114	1"1/4		1

Chrome-plated by-pass kit for manifolds, complete with revolving connections, fixed setting differential by-pass valve and air vent valve.



ART. 3422

Code	size	€	box
3422 1	1"		1
3422 114	1"1/4		1

Chrome-plated by-pass kit for manifolds, complete with revolving connections, fixed setting differential by-pass valve, chrome-plated pipe and air vent valve.



ART. 3423

Code	size	€	box
3423 1	1"		1
3423 114	1"1/4		1

Chrome-plated thermostatic mixer for underfloor heating systems.

- Control temperature range: 18÷55°C
- Side connections: 1"- 1"1/2 male
- Pump connection with 1"1/2 nut



ART. 3951

Code	size	€	box
3951 1	1"		1
3951 112	1"1/2		1

4 ACCESSORIES FOR THERMO-ELECTRIC MANIFOLDS

Anti-condensate protection shell made of thermo-formed expanded polyethylene for thermo-electric manifolds.
(Art. 3913-3923-3914-3915-3911-3921-3917-3918-3910-3920-3972-3916-3973-3463-3464-3562-3465-3563-3970-3929-3971-3460-3461-3462-3560-3561-3927-3457-3458-3459)



ART. 9300

Code	outlets	size	€	box
9300 102	2	1″		1
9300 103	3	1″		1
9300 104	4	1″		1
9300 11402	2	1″1/4		1
9300 11403	3	1″1/4		1
9300 11202	2	1″1/2		1
9300 11203	3	1″1/2		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for intermediate connections (Art. 3438-3445).



ART. 9301

Code	size	€	box
9301 1	1″		1
9301 114	1″1/4		1
9301 112	1″1/2		1

End plug made of velcro for protection shell (ART. 9300) suitable for manifolds with built-in regulating valves (Art. 3923-3915-3921-3918).



ART. 9302

Code	outlets	size	€	box
9302 102	2	1″		1
9302 103	3	1″		1

1″THERMO-ELECTRIC MANIFOLDS

PORTS	PURCHASE CODES FOR INSULATION
2	9300 102
3	9300 103
4	9300 104
5	9300 103 + 9300 102
6	(2x) 9300 103
7	9300 104 + 9300 103
8	(2x) 9300 104
9	(3x) 9300 103
10	(2x) 9300 104 + 9300 102
11	(2x) 9300 104 + 9300 103
12	(3x) 9300 104

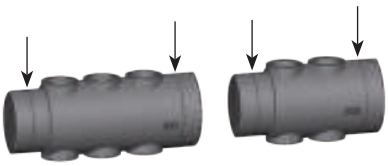
1″1/4 THERMO-ELECTRIC MANIFOLDS

PORTS	PURCHASE CODES FOR INSULATION
2	9300 11402
3	9300 11403
4	(2x) 9300 11402
5	9300 11403 + 9300 11402
6	(2x) 9300 11403
7	9300 11403 + (2x) 9300 11402
8	(2x) 9300 11403 + 9300 11402
9	(3x) 9300 11403
10	(2x) 9300 11403 + (2x) 9300 11402
11	(3x) 9300 11403 + 9300 11402
12	(4x) 9300 11403

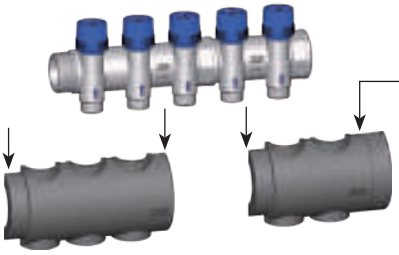
1″1/2 THERMO-ELECTRIC MANIFOLDS

PORTS	PURCHASE CODES FOR INSULATION
2	9300 11202
3	9300 11203
4	(2x) 9300 11202
5	9300 11203 + 9300 11202
6	(2x) 9300 11203
7	9300 11203 + (2x) 9300 11202
8	(2x) 9300 11203 + 9300 11202
9	(3x) 9300 11203
10	(2x) 9300 11203 + (2x) 9300 11202
11	(3x) 9300 11203 + 9300 11202
12	(4x) 9300 11203

The grooves on the anticondensation shells indicate the exact cut point in the event to join two or more shells to insulate the manifold.



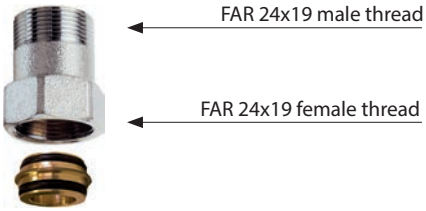
In the case of a 5 port thermo-electric manifold, the cuts should be the following:



If at the end of the manifold a plug is placed, it is not necessary to cut the last part of the shell.

⚠ **Make the cuts according to your system requirements!**

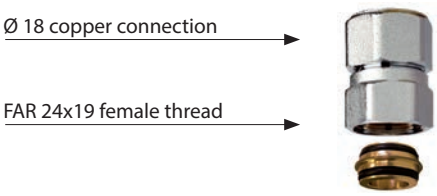
Chrome-plated straight extension.
- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8850

Code	length/mm	€	box	pack
8850 30	30		25	250
8850 35	35		25	250
8850 40	40		25	250

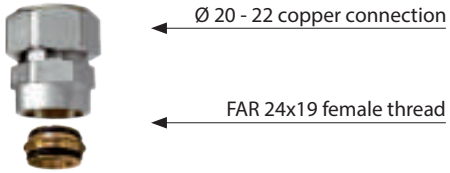
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 18 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8850

Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30		25	250
8850 G1835	24x19 - Ø18	35		25	250
8850 G1840	24x19 - Ø18	40		25	250

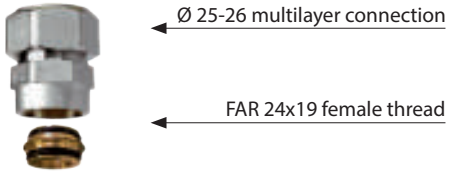
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 20-22 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8850

Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30		25	250
8850 G2230	24x19 - Ø 22	30		25	250

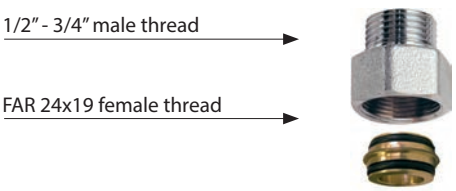
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 25-26 connection for multilayer pipe.
- Ø 25-26 multilayer adapter
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8854

Code	size	length/mm	€	box	pack
8854 25	24x19 - Ø 25x2,5	30		10	250
8854 26	24x19 - Ø 26x3	30		10	250

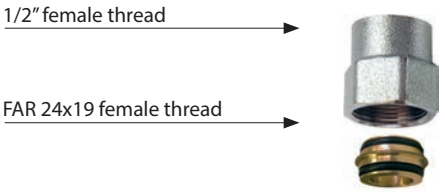
Chrome-plated reducer. Permits changing a FAR 24x19 male thread in a 1/2" - 3/4" male thread.
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8865

Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" flat faced	30		25	250
8865 3034	24x19 - 3/4" flat faced	30		25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30		25	250

Chrome-plated reducer. Permits changing a FAR 24x19 male thread in a 1/2" female thread.
- sealing metal gasket with double O-ring
- suitable on FAR 24x19 male connections with Ø16mm only



ART. 8870

Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30		25	250

Chrome-plated intermediate connection.
- Size: 3/4' - 1"-1"1/4 female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3430

Code	size	€	box	pack
3430 34	3/4"		10	120
3430 1	1"		10	120
3430 114	1"1/4		5	40

Chrome-plated intermediate connection.
- Size: 3/4" - 1" female-female
- Connections: 3/8" - 1/2"



ART. 3430TC

Code	size	€	box	pack
3430 34TC	3/4"		10	120
3430 1TC	1"		10	120

Chrome-plated intermediate FLANGED connection. Provided with screws and O-ring for connection.
- Size: 1" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3441

Code	size	€	box	pack
3441 1	1"x3/8"		10	80

Chrome-plated intermediate connection complete with air vent valve, temperature gauge and plug.
- Size: 3/4" - 1"-1"1/4 -1"1/2 female-female
- Temperature gauge: 0÷80°C

ART. 3435

Code	size	€	box
3435 34	3/4"		1
3435 1	1"		1
3435 114	1"1/4		1
3435 112	1"1/2		1



Chrome-plated intermediate connection complete with air vent valve, thermo-manometer and plug.
- Size: 1"-1"1/4 - 1"1/2 female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3436

Code	size	€	box
3436 1	1"		1
3436 114	1"1/4		1
3436 112	1"1/2		1

Chrome-plated intermediate connection complete with automatic air vent valve, temperature gauge and boiler drain cock.
- Size: 3/4" - 1"-1"1/4 -1"1/2 female-female
- Temperature gauge: 0÷80°C



ART. 3438

Code	size	€	box
3438 34	3/4"		1
3438 1	1"		1
3438 114	1"1/4		1
3438 112	1"1/2		1

Chrome-plated intermediate connection complete with automatic air vent valve, thermo-manometer and boiler drain cock.
- Size: 1"-1"1/4 - 1"1/2 female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3442

Code	size	€	box
3442 1	1"		1
3442 114	1"1/4		1
3442 112	1"1/2		1

Chrome-plated intermediate FLANGED connection, complete with automatic air vent valve, temperature gauge and plug.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C



ART. 3443

Code	size	€	box
3443 1	1"		1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and plug.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3444

Code	size	€	box
3444 1	1"		1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, temperature gauge and drain cock.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C



ART. 3445

Code	size	€	box
3445 1	1"		1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and drain cock.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3446

Code	size	€	box
3446 1	1"		1

Chrome-plated temperature gauge fitting.
- Size: 1" male-female
- Side connection: 3/8" female



ART. 3431

Code	size	€	box
3431 1	1"		5

Chrome-plated intermediate connection for manifolds, preset for installation of air vent valve, temperature gauge and drain cock.
- Size: 1" male-female



ART. 3440

Code	size	€	box	pack
3440 1	1"		10	80

Chrome-plated temperature gauge fitting complete with temperature gauge.
- Size: 1" male-female
- Temperature gauge: 0÷80°C



ART. 3432

Code	size	€	box
3432 1	1"		1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female

ART. 4070M



Code	size	outlets	€	box
4070 M3438	3/4"	3/8"x1/2"		1
4070 M138	1"	3/8"x1/2"		1
4070 M11438	1"1/4	3/8"x1/2"		1
4070 M11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female



ART. 4070

Code	size	outlets	€	box
4070 3438	3/4"	3/8"x1/2"		1
4070 138	1"	3/8"x1/2"		1
4070 11438	1"1/4	3/8"x1/2"		1
4070 11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female

ART. 4071M



Code	size	outlets	€	box
4071 M3438	3/4"	3/8"x1/2"		1
4071 M138	1"	3/8"x1/2"		1
4071 M11438	1"1/4	3/8"x1/2"		1
4071 M11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female



ART. 4071

Code	size	outlets	€	box
4071 3438	3/4"	3/8"x1/2"		1
4071 138	1"	3/8"x1/2"		1
4071 11438	1"1/4	3/8"x1/2"		1
4071 11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds. Double radial connection.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 1/2" x 1/2" female
  3/8" x 1/2" female



ART. 4060

Code	size	outlets	€	box	pack
4060 3438	3/4"	3/8"x1/2"		25	250
4060 3412	3/4"	1/2"x1/2"		25	250
4060 138	1"	3/8"x1/2"		25	250
4060 112	1"	1/2"x1/2"		25	250
4060 11438	1"1/4	3/8"x1/2"		20	200
4060 11412	1"1/4	1/2"x1/2"		20	200
4060 11238	1"1/2	3/8"x1/2"		1	-
4060 11212	1"1/2	1/2"x1/2"		1	-

Chrome-plated terminal connection for manifolds. Double radial connection.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 1/2" x 1/2" female
  3/8" x 1/2" female



ART. 4061

Code	size	outlets	€	box	pack
4061 3438	3/4"	3/8"x1/2"		25	250
4061 3412	3/4"	1/2"x1/2"		25	250
4061 138	1"	3/8"x1/2"		25	250
4061 112	1"	1/2"x1/2"		25	250
4061 11438	1"1/4	3/8"x1/2"		20	200
4061 11412	1"1/4	1/2"x1/2"		20	200
4061 11238	1"1/2	3/8"x1/2"		1	-
4061 11212	1"1/2	1/2"x1/2"		1	-

Chrome-plated boiler drain cock.



ART. 3439

Code	size	€	box
3439 12	1/2"		10

Brass boiler drain cock.



ART. 3447

Code	size	€	box
3447 12	1/2"		10

4 PLUGS AND REDUCTIONS FOR MANIFOLDS

Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2"- female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4000

Code	size	€	box	pack
4000 3414	3/4"x1/4"		30	300
4000 3438	3/4"x3/8"		30	300
4000 3412	3/4"x1/2"		30	300
4000 114	1"x1/4"		30	300
4000 138	1"x3/8"		30	300
4000 112	1"x1/2"		30	300
4000 11414	1"1/4x1/4"		25	250
4000 11438	1"1/4x3/8"		25	250
4000 11412	1"1/4x1/2"		25	250
4000 11434	1"1/4x3/4"		25	250

Chrome-plated blind cap complete with gasket.

- Body made of CW617N brass



ART. 4100

Code	size	€	box	pack
4100 12	1/2"		50	500
4100 34	3/4"		40	400
4100 1	1"		30	300
4100 114	1"1/4		30	300
4100 112	1"1/2		15	150
4100 2	2"		10	100

Chrome-plated angled terminal blanking reduction for modular manifolds.

- Connection: 3/4"-1"- 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4050

Code	size	€	box	pack
4050 3414	3/4"x1/4"		30	240
4050 3438	3/4"x3/8"		30	240
4050 3412	3/4"x1/2"		30	240
4050 114	1"x1/4"		30	180
4050 138	1"x3/8"		30	180
4050 112	1"x1/2"		30	180
4050 11438	1"1/4x3/8"		30	180
4050 11412	1"1/4x1/2"		30	180

KIT for manifold outlets complete with chrome-plated nut.
(Adaptable to all interchangeable outlets).
Ø 18 outlets excluded.



ART. 4250

Code	size	€	box	pack
4250	24x19		50	400

Chrome-plated male plug for manifold outlets.



ART. 4125

Code	size	€	box	pack
4125 12	1/2"		30	-

Chrome-plated terminal blanking plug with O-ring seal for manifolds.



ART. 4150

Code	size	€	box	pack
4150 34	3/4"		25	250
4150 1	1"		25	250
4150 114	1"1/4		25	250
4150 112	1"1/2		10	100
4150 2	2"		10	100

Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.



ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"		25	250
4200 3438	3/4"x3/8"		25	250
4200 3412	3/4"x1/2"		25	250
4200 114	1"x1/4"		25	250
4200 138	1"x3/8"		25	250
4200 112	1"x1/2"		25	250
4200 134	1"x3/4"		25	250
4200 11412	1"1/4x1/2"		25	250
4200 11434	1"1/4x3/4"		25	250
4200 1141	1"1/4x1"		25	250
4200 1121	1"1/2x1"		10	100
4200 21	2"x1"		10	100

Chrome-plated connection for coplanar and flanged manifolds.
Interchangeable sizes for copper, plastic and multilayer pipe.



ART. 4300

Code	size	€	box	pack
4300 34	3/4"		25	200
4300 1	1"		25	200

End closing plug for flanged manifolds.



ART. 4310

Code	size	€	box
4310 1	1"		30

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25		50	250
6052 48186	plastic	12x2,15		50	250
6052 4847	plastic	12x2		50	250
6052 48184	plastic	12x1,5		50	250
6052 481005	plastic	12x1,35		50	250
6052 9761005	plastic	12,7x1,7		50	250
6052 976186	plastic	12,7x2,4		50	250
6052 6563	plastic	14x1,5		50	250
6052 6545	plastic	14x2		50	250
6052 4645	plastic	15x2,5		50	250
6052 4663	plastic	15x2		50	250
6052 46173	plastic	15x1,7		50	250
6052 4661	plastic	15x1,5		50	250
6052 5863	plastic	16x2,5		50	250
6052 58173	plastic	16x2,2		50	250
6052 5861	plastic	16x2		50	250
6052 58262	plastic	16x1,8		50	250
6052 5864	plastic	16x1,5		50	250
6052 58180	plastic	16x2,7		50	250
6052 15061	plastic	16,8x2,4		50	250
6052 150829	plastic	17x2,25		50	250
6052 15043	plastic	17x2		50	250
6052 6043	plastic	17,8x2,4		50	250
6052 60180	plastic	17,8x3,6		50	250
6052 4443	plastic	18x2,5		50	250
6052 44221	plastic	18x2,2		50	250
6052 4468	plastic	18x2		50	250
6052 8043	plastic	20x3,5		50	250
6052 8068	plastic	20x3		50	250
6052 80185	plastic	20x2,8		50	250
6052 80222	plastic	20x2,3		50	250
6052 8069	plastic	20x2,15		50	250
6052 80214	plastic	20x2		50	250
6052 80261	plastic	20x1,9		50	250

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5		50	250
6055 481156	multilayer	12x1,6		50	250
6055 48901	multilayer	12x1,8		50	250
6055 65193	multilayer	14x2		50	250
6055 46193	multilayer	15x2,5		50	250
6055 58190	multilayer	16x2		50	250
6055 58200	multilayer	16x2,25		50	250
6055 58278	multilayer	16,2x2,6		50	250
6055 150200	multilayer	16,8x2,5		50	250
6055 150810	multilayer	17x2		50	250
6055 44191	multilayer	18x2		50	250
6055 80204	multilayer	20x2		50	250
6055 80192	multilayer	20x2,25		50	250
6055 80201	multilayer	20x2,5		50	250
6055 80191	multilayer	20x2,9		50	250

Sealing compression KIT in rubber for copper pipe.
Complete with:
- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10		100	500
8427 12	copper	Ø 12		100	500
8427 14	copper	Ø 14		100	500

Sealing compression KIT in rubber for copper pipe.
Complete with:
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread

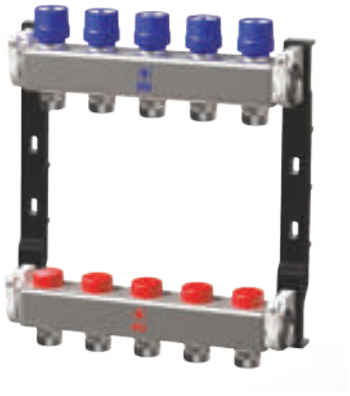


ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15		100	500
8429 16	copper	Ø 16		100	500

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with lockshield valves for circuits balancing
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1

- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- Inlet: 1" female-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Centre distance between ports: 50mm

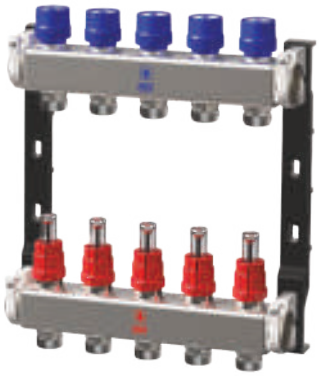


ART. 3989

Code	outlets	size	€	box
3989 103	3	1"		1
3989 104	4	1"		1
3989 105	5	1"		1
3989 106	6	1"		1
3989 107	7	1"		1
3989 108	8	1"		1
3989 109	9	1"		1
3989 110	10	1"		1
3989 111	11	1"		1
3989 112	12	1"		1
3989 113	13	1"		1

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1

- Nominal pressure: 6 bar
- Max. working temperature: 70°C
- Inlet: 1" female-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Flowmeters range: 1-5 l/min
- Centre distance between ports: 50mm



ART. 3999

Code	outlets	size	€	box
3999 103	3	1"		1
3999 104	4	1"		1
3999 105	5	1"		1
3999 106	6	1"		1
3999 107	7	1"		1
3999 108	8	1"		1
3999 109	9	1"		1
3999 110	10	1"		1
3999 111	11	1"		1
3999 112	12	1"		1
3999 113	13	1"		1

Chrome-plated fitting.
- Size: 1" male-male
- O-ring in EPDM-P



ART. 4304

Code	size	€	box
4304 1	1"		1

End plug with sealing O-Ring for manifolds.
- O-ring in EPDM-P



ART. 4150

Code	size	€	box	pack
4150 1	1"		1	250

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with lockshield valves for circuits balancing
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1
- manual air vent valve
- adjustable drain valve with hose connection

- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- Inlet: 1" female-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Centre distance between ports: 50mm



ART. 396R

Code	outlets	size	€	box
396R 102	2	1"		1
396R 103	3	1"		1
396R 104	4	1"		1
396R 105	5	1"		1
396R 106	6	1"		1
396R 107	7	1"		1
396R 108	8	1"		1
396R 109	9	1"		1
396R 110	10	1"		1
396R 111	11	1"		1
396R 112	12	1"		1

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1
- manual air vent valve
- adjustable drain valve with hose connection

- Nominal pressure: 6 bar
- Max. working temperature: 70°C
- Inlet: 1" female-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Flowmeters range: 1-5 l/min
- Centre distance between ports: 50mm



ART. 397R

Code	outlets	size	€	box
397R 102	2	1"		1
397R 103	3	1"		1
397R 104	4	1"		1
397R 105	5	1"		1
397R 106	6	1"		1
397R 107	7	1"		1
397R 108	8	1"		1
397R 109	9	1"		1
397R 110	10	1"		1
397R 111	11	1"		1
397R 112	12	1"		1

TEMPERATURE GAUGE HOLDER ball valve, for manifolds connection.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with EPDM O-Ring, compatible only with FAR manifolds
- Designed for installation of temperature gauge, art. 2653



ART. 3058

Code	size	handle	€	box	pack
3058 1B	1"F x 1"M	blue		10	50
3058 1R	1"F x 1"M	red		10	50

Ø 40 mm bimetallic temperature gauge
- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240

Additional connection for supply manifold with flowmeters.

- Flowmeter and flow rate balancing valves for circuits balancing
- Flowmeter range: 0-5 l/min
- Size: 1" male
- Interchangeable connections for copper, plastic and multilayer pipes



ART. 342F

Code	size	€	box
342F 12419	1"		1

Additional connection for supply manifold with lockshield valves for circuits balancing.

- Lockshield valve for circuits balancing
- Size: 1" male
- Interchangeable connections for copper, plastic and multilayer pipes



ART. 342D

Code	size	€	box
342D 12419	1"		1

Additional connection for return manifold with shut-off valves.

- Shut-off valve suitable for thermo-electric actuator
- Size: 1" male
- Interchangeable connections for copper, plastic and multilayer pipes



ART. 342V

Code	size	€	box
342V 12419	1"		1

Chrome-plated terminal connection complete with automatic air vent valve and swiveling drain valve with hose holder.

- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 95°C
- O-ring in EPDM-P
- Size: 1" male



ART. 4072

Code	size	€	box
4072 112	1"		1

Chrome-plated terminal connection complete with manual air vent valve and swiveling drain valve with hose holder.

- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- O-ring in EPDM-P
- Size: 1" male



ART. 4073

Code	size	€	box
4073 112	1"		1

Liquid crystal adhesive temperature gauge.

- Temperature scale: 10÷40°C



ART. 2654

Code	temperature scale	€	box
2654 1040	10÷40 °C		1

Adjustable drain valve with hose connection for steel manifolds.



ART. 6016

Code	size	€	box	pack
6016 12	1/2"		1	

PRE-ASSEMBLED manifold in PA66 reinforced composite material complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves suitable for thermo-electric actuator
- fixing brackets Art. 7482

- Inlet: 1"1/2 male-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Flowmeters range: 0-5 l/min
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



new

ART. 3977

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3977 11203	3	1"1/2		1
3977 11204	4	1"1/2		1
3977 11205	5	1"1/2		1
3977 11206	6	1"1/2		1
3977 11207	7	1"1/2		1
3977 11208	8	1"1/2		1
3977 11209	9	1"1/2		1
3977 11210	10	1"1/2		1
3977 11211	11	1"1/2		1
3977 11212	12	1"1/2		1
3977 11213	13	1"1/2		1

Modular return manifold in PA66 reinforced composite material.
- Shut-off valves suitable for thermo-electric actuator
- Inlet: 1"1/2 male-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



new

ART. 3987

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3987 11202	2	1"1/2		1
3987 11203	3	1"1/2		1

Modular supply manifold in PA66 reinforced composite material.
- Flowmeters and flow rate balancing valves for circuits balancing
- Inlet: 1"1/2 male-female
- Interchangeable connections for copper, plastic and multilayer pipes
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



new

ART. 3997

ATTACCO 24x19 CONNECTION

Code	outlets	size	€	box
3997 11202	2	1"1/2		1
3997 11203	3	1"1/2		1

TEMPERATURE GAUGE HOLDER manual ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Manual air vent valve
- Designed for installation of temperature gauge, art.2653
- Nominal pressure: 10 bar
- Max. working temperature: 95°C



ART. 307B

Code	size	handle	€	box
307B 1BC	1"1/2F x 1"F	blue		1
307B 1RC	1"1/2F x 1"F	red		1

TEMPERATURE GAUGE HOLDER manual ball valve.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Automatic air vent valve
- Designed for installation of temperature gauge, art.2653
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 95°C



ART. 307C

Code	size	handle	€	box
307C 1BC	1"1/2F x 1"F	blue		1
307C 1RC	1"1/2F x 1"F	red		1

TEMPERATURE GAUGE HOLDER manual ball valve with swiveling nut.

- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 10 bar
- Connections: female-female
- Max. working temperature: 95°C
- Manual air vent valve
- Designed for installation of temperature gauge, art.2653



ART. 307G

Code	size	handle	€	box	pack
307G 1112BC	1"F x 1"1/2F	blue		1	
307G 1112RC	1"F x 1"1/2F	red		1	

Reduction.

- PA66 reinforced composite material
- O-Ring in EPDM-P



ART. 4104

Code	size	€	box
4104 11234	1"1/2x3/4"		50

Plug.

- PA66 reinforced composite material
- O-Ring in EPDM-P



ART. 4103

Code	size	€	box
4103 112	1"1/2		50

Ø 40mm bimetallic temperature gauge.

- Temperature scale: 0÷80°C - 0÷120°C
- 36mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240



Manifolds and accessories 05

MULTIFAR manifolds and accessories	175
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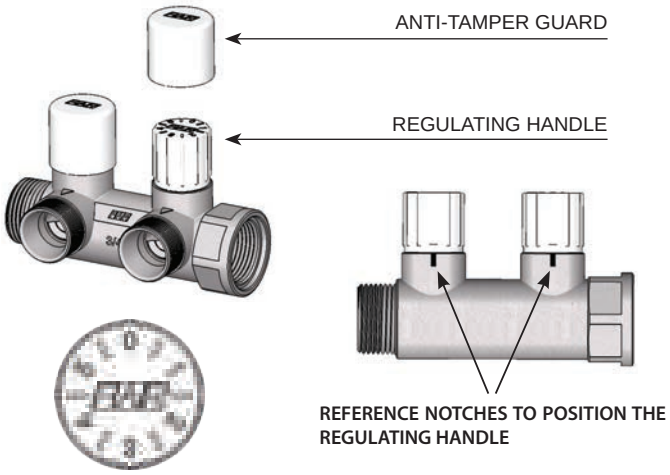
MULTIFAR MANIFOLDS WITH BALANCING BODIES

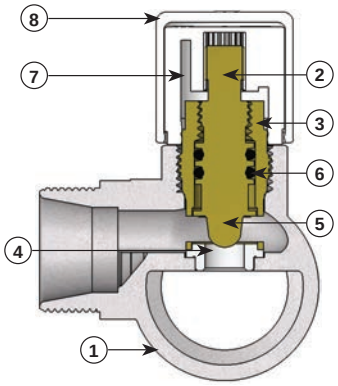
MULTIFAR MANIFOLDS WITH BALANCING BODIES allow quick adjustment of the desired flow rate into the different circuits using the numbered settings on the handle, enabling regulation without the use of tools in even the most confined spaces.
The anti-tampering cap prevents interference with the lockshield valve adjustment.
The unique profile of the regulating stem makes it possible to achieve almost linear flow rate variation.

The regulation system and assembly of the balancing body are subject to patent.



TECHNICAL FEATURES



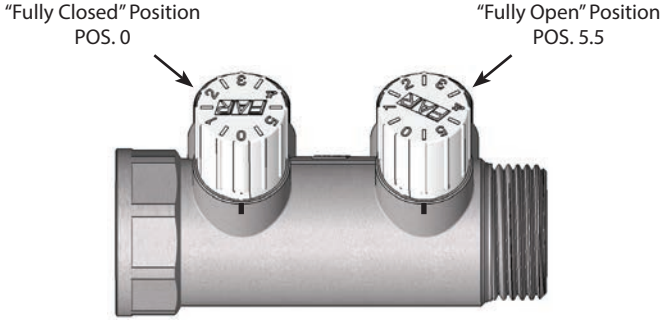


1	Body: CB753S brass
2	Stem: CW617N brass
3	Body: CW617N brass
4	Body seat: P.T.F.E.
5	Shutter: CW617N brass
6	Sealing O-Ring: EPDM
7	Handle: ABS
8	Anti-tamper guard: ABS

REGULATION

Adjustment is carried out by means of the handle indicating the reference numbers.
The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.

To install the anti-tamper guard, simply press it onto the regulating handle.
The white cap turns freely as it is not gripped by the handle, therefore eliminating the possibility of interference.





MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.
- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3825

Code	size	€	box	pack
3825 34	3/4"		1	25
3825 1	1"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.
- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3850

Code	size	€	box	pack
3850 34	3/4"		1	25
3850 1	1"		1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.
- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3856

Code	size	€	box	pack
3856 34	3/4"		1	25
3856 1	1"		1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.
- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3826

Code	size	€	box	pack
3826 34	3/4"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.
- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3851

Code	size	€	box	pack
3851 34	3/4"		1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with balancing lockshield valves.

- Body in CB753S brass
- Numbered regulating handle with anti-tamper guard
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm
- **Patented**



ART. 3878

Code	outlets	size	€	box	pack
3878 3402	2	3/4"		1	25
3878 3403	3	3/4"		1	25
3878 3404	4	3/4"		1	25
3878 102	2	1"		1	25
3878 103	3	1"		1	25
3878 104	4	1"		1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm



ART. 3875

Code	size	€	box	pack
3875 34	3/4"		1	25
3875 1	1"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm



ART. 3900

Code	size	€	box	pack
3900 34	3/4"		1	25
3900 1	1"		1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm



ART. 3906

Code	size	€	box	pack
3906 34	3/4"		1	25
3906 1	1"		1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3876

Code	size	€	box	pack
3876 34	3/4"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body in CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" female
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3901

Code	size	€	box	pack
3901 34	3/4"		1	25

MULTIFAR - Modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB770S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3834 - 3835 - 3837

Code	outlets	size	€	box	pack
3834 34	2	3/4"		1	25
3834 1	2	1"		1	25
3835 34	3	3/4"		1	25
3835 1	3	1"		1	25
3837 34	4	3/4"		1	25
3837 1	4	1"		1	25

MULTIFAR - Modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB770S brass
- Interchangeable sizes with M33x1,5 thread for ø 25-26 plastic and multilayer pipe
- Side connections: 1"1/4" male-female
- Centre distance between ports: 70 mm

NB Insulation on page 185



ART. 3827

Code	outlets	size	€	box
3827 11402	2	1"1/4		1
3827 11403	3	1"1/4		1
3827 11404	4	1"1/4		1
3827 11405	5	1"1/4		1
3827 11406	6	1"1/4		1
3827 11407	7	1"1/4		1
3827 11408	8	1"1/4		1
3827 11409	9	1"1/4		1
3827 11410	10	1"1/4		1

Kit for multilayer pipes. Suitable for our MULTIFAR manifold art. 3827.

Complete with:

- adapter for multilayer pipe
- brass ring
- brass nut with M33x1,5 thread



ART. 6056

Code	pipe	Ø external diameter	€	box	pack
6056 263274	multilayer	20x2		25	250
6056 263264	multilayer	20x2,25		25	250
6056 263265	multilayer	20x2,5		25	250
6056 219218	multilayer	25x2,5		25	250
6056 220218	multilayer	26x3		25	250

Brass reduction with M33x1,5 thread for modular MULTIFAR manifolds art. 3827.
Ø 18-22 versions are complete with sealing kit.



ART. 8851

Code	from size	to size	€	box
8851 30	25-26	24x19		25
8851 G1830	25-26	24x19 Ø 18		25
8851 G2230	25-26	Ø 22		25

Reduction with M33x1,5 - 3/4" thread for modular MULTIFAR manifolds art. 3827.



ART. 8791

Code	size	€	box
8791 34	3/4"		1

Blind cap with M33x1,5 thread for modular MULTIFAR manifolds art. 3827.



ART. 4101

Code	size	€	box
4101 126	25-26		1

START (Main module)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation.
Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female

- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female

- INLET: 2" female
- OUTLET: 1" female



ART. 3874

Code	outlets	size	€	box
3874 11412	1/2"	1"1/4		1
3874 11212	1/2"	1"1/2		1
3874 11234	3/4"	1"1/2		1
3874 21	1"	2"		1

START (Jointing module - 100 mm centre distance between ports)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation.
Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female

- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female

- INLET: 2" female
- OUTLET: 1" female



ART. 3874

Code	outlets	centre dist.	size	€	box
3874 11412100	1/2"	100 mm	1"1/4		1
3874 11212100	1/2"	100 mm	1"1/2		1
3874 11234100	3/4"	100 mm	1"1/2		1
3874 21100	1"	100 mm	2"		1

START (Jointing module - 200 mm centre distance between ports)

Chrome-plated multipurpose modular FLANGED manifold for water distribution and heating systems. Manual regulation.
Complete with plug, regulating valve, BLUE - RED double-face disc and disc with numeric references for the connection to the water meter.

- Body made of CB770S brass
- INLET - 1"1/4 female
- OUTLET - 1/2" female

- INLET: 1"1/2 female
- OUTLET: 1/2" - 3/4" female

- INLET: 2" female
- OUTLET: 1" female



ART. 3874

Code	outlets	centre dist.	size	€	box
3874 11412200	1/2"	200 mm	1"1/4		1
3874 11212200	1/2"	200 mm	1"1/2		1
3874 11234200	3/4"	200 mm	1"1/2		1
3874 21200	1"	200 mm	2"		1

Chrome-plated FLANGED extension for START manifolds.
- Body made of CB770S brass
- 100 mm centre distance between ports



ART. 3877

Code	centre dist.	size	€	box
3877 114	100 mm	1"1/4		1
3877 112	100 mm	1"1/2		1
3877 2	100 mm	2"		1

Chrome-plated intermediate connection.
- Size: 2" male-female
- Connections: 1/2" - 3/8" - 1/2"



ART. 3452

Code	size	€	box
3452 2	2"		1

Metal bracket complete with collars for START manifolds and manifolds with 100 mm. centre distance between ports.



ART. 7470

Code	size	€	box
7470 114	1"1/4		2
7470 112	1"1/2		2
7470 2	2"		2

Kit complete with 2 collars for START manifolds and manifolds with 100 mm. centre distance between ports. Preset to be hooked on metal brackets, art. 7485.



ART. 7495

Code	size	€	box
7495 114	1"1/4		10
7495 112	1"1/2		7
7495 2	2"		7

Chrome-plated terminal blanking plug for START manifolds.
- Complete with O-ring seat



ART. 4150

Code	size	€	box
4150 114	1"1/4		25
4150 112	1"1/2		10
4150 2	2"		10

Chrome-plated terminal blanking reduction for START manifolds.
- Complete with O-ring seal



ART. 4200

Code	size	€	box
4200 11412	1"1/4x1/2"		25
4200 11434	1"1/4x3/4"		25
4200 1141	1"1/4x1"		25
4200 1121	1"1/2x1"		10
4200 21	2"x1"		10

Chrome-plated flanged end closing plug for START manifolds.
- Complete with O-ring seal and screws



ART. 4310

Code	size	€	box
4310 114	1"1/4		25
4310 112	1"1/2		10
4310 2	2"		10

1 port brass modular manifold.
- Body made of CB770S
- Suitable for manifolds with 100 mm centre distance between ports
- Inlet: 1″ male-female
- Outlet: 1/2″ female



ART. 3610

Code	outlets	size	€	box
3610 112	1/2″	1″		5

2 port brass modular manifold.
- Body made of CB770S
- Inlet: 1″-1″1/4 -1″1/2 - 2″ male-female
- Outlets: 1/2″-3/4″-1″ female
- Centre distance between ports: 100 mm



ART. 3611

Code	outlets	size	€	box
3611 112	1/2″	1″		5
3611 11412	1/2″	1″1/4		3
3611 11434	3/4″	1″1/4		3
3611 11234	3/4″	1″1/2		1
3611 1121	1″	1″1/2		1
3611 234	3/4″	2″		1
3611 21	1″	2″		1

3 port brass modular manifold.
- Body made of CB770S
- Inlet: 1″-1″1/4 -1″1/2 - 2″ male-female
- Outlets: 1/2″-3/4″-1″ female
- Centre distance between ports: 100 mm



ART. 3612

Code	outlets	size	€	box
3612 112	1/2″	1″		4
3612 11412	1/2″	1″1/4		3
3612 11434	3/4″	1″1/4		2
3612 11234	3/4″	1″1/2		1
3612 1121	1″	1″1/2		1
3612 234	3/4″	2″		1
3612 21	1″	2″		1

3 port brass modular manifold.
- Body made of CB770S
- Inlet: 3/4″ female
- Outlets: 1/2″ female
- Centre distance between ports: 100 mm



ART. 3614

Code	outlets	size	€	box
3614 3412	1/2″	3/4″		6

1 port brass modular manifold.
- Suitable for manifolds with 100 mm centre distance between ports
- Body made of CB770S
- Inlet: 1″ male-female
- Outlet: 3/4″ male



ART. 3615

Code	outlets	size	€	box
3615 134	3/4″	1″		5

2 port brass modular manifold.
- Body made of CB770S
- Inlet: 1″ - 1″1/4 - 1″1/2 - 2″ male-female
- Outlets: 1/2″ - 3/4″ - 1″ male
- Centre distance between ports: 100 mm



ART. 3616

Code	outlets	size	€	box
3616 112	1/2″	1″		5
3616 134	3/4″	1″		5
3616 11434	3/4″	1″1/4		3
3616 1141	1″	1″1/4		3
3616 1121	1″	1″1/2		1
3616 21	1″	2″		1

3 port brass modular manifold.
- Body made of CB770S
- Inlet: 1″ - 1″1/4 - 1″1/2 - 2″ male-female
- Outlets: 1/2″ - 3/4″ - 1″ male
- Centre distance between ports: 100 mm



ART. 3617

Code	outlets	size	€	box
3617 112	1/2″	1″		4
3617 134	3/4″	1″		4
3617 11434	3/4″	1″1/4		2
3617 1141	1″	1″1/4		2
3617 1121	1″	1″1/2		1
3617 21	1″	2″		1

2 port brass modular manifold to be used with manifolds with 100 mm centre distance between ports.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female



ART. 3618

Code	outlets	size	€	box	pack
3618 11212	1/2"	1"1/2		1	18
3618 11234	3/4"	1"1/2		1	18

4 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female
- Centre distance between ports: 100 mm



ART. 3619

Code	outlets	size	€	box	pack
3619 11212	1/2"	1"1/2		1	10
3619 11234	3/4"	1"1/2		1	10

6 port brass modular manifold.

- Body made of CB770S brass
- Inlet: 1"1/2 male-female
- Outlets: 1/2" - 3/4" female
- Centre distance between ports: 100 mm



ART. 3620

Code	outlets	size	€	box	pack
3620 11212	1/2"	1"1/2		1	10
3620 11234	3/4"	1"1/2		1	10

Brass terminal blanking plug for modular manifolds.

- Body made of brass
- O-ring seal



ART. 4149

Code	size	€	box	pack
4149 1	1"		25	250
4149 114	1"1/4		25	250
4149 112	1"1/2		10	160
4149 2	2"		10	100

Brass blind cap.

- Body made of brass
- Complete with gasket



ART. 4099

Code	size	€	box	pack
4099 1	1"		30	300
4099 114	1"1/4		30	300
4099 112	1"1/2		15	150
4099 2	2"		10	100

Brass terminal blanking reduction for modular manifolds.

- Body made of brass
- O-ring seal



ART. 4199

Code	size	€	box	pack
4199 138	1"x3/8"		25	250
4199 112	1"x1/2"		25	250
4199 134	1"x3/4"		25	400
4199 11412	1"1/4x1/2"		25	400
4199 11434	1"1/4x3/4"		25	400
4199 1141	1"1/4x1"		25	400
4199 1121	1"1/2x1"		10	160
4199 21	2"x1"		10	100

Brass connection for modular manifolds.

- Body made of brasss
- Interchangeable sizes for copper, plastic and multilayer pipe
- O-ring seal



ART. 4299

Code	size	€	box	pack
4299 34	3/4"		25	200
4299 1	1"		25	200

Brass connection for modular manifolds.

- Body made of brass
- Adapter for multilayer pipe Ø 25-26



ART. 4301

Code	size	Ø pipe	€	box	pack
4301 1219218	1"	25		10	100
4301 1220218	1"	26		10	100

Chrome-plated manifold.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connection: 3/4" - 1" female
- Centre distance between ports: 36 mm



ART. 3000-3050-3100

Code	outlets	size	€	box	pack
3000 34	2	3/4"		14	140
3000 1	2	1"		12	120
3050 34	3	3/4"		10	100
3050 1	3	1"		8	80
3100 34	4	3/4"		8	80
3100 1	4	1"		6	60

Chrome-plated modular manifold .

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 36 mm



ART. 3300-3350-3400

Code	outlets	size	€	box	pack
3300 34	2	3/4"		12	120
3300 1	2	1"		10	100
3350 34	3	3/4"		9	90
3350 1	3	1"		7	70
3400 34	4	3/4"		8	80
3400 1	4	1"		6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Interchangeable sizes for copper, plastic and multilayer pipe.
- Side connections: 3/4"-1"-1"1/4 male-female
- Centre distance between ports: 50 mm



ART. 3401-3402-3403

Code	outlets	size	€	box	pack
3401 34	2	3/4"		12	120
3401 1	2	1"		8	80
3401 114	2	1"1/4		8	80
3402 34	3	3/4"		8	80
3402 1	3	1"		6	60
3402 114	3	1"1/4		6	60
3403 34	4	3/4"		6	80
3403 1	4	1"		4	60
3403 114	4	1"1/4		4	60

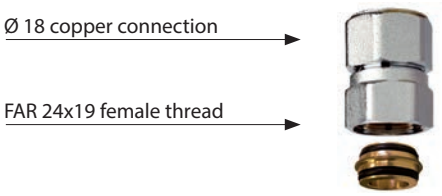
Chrome-plated straight extension.
- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	length/mm	€	box	pack
8850 30	30		25	250
8850 35	35		25	250
8850 40	40		25	250

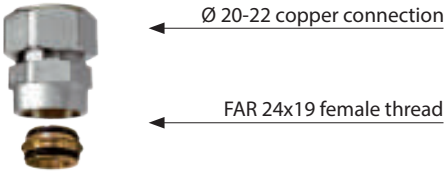
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 18 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30		25	250
8850 G1835	24x19 - Ø18	35		25	250
8850 G1840	24x19 - Ø18	40		25	250

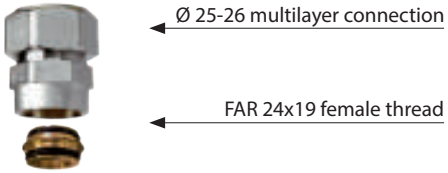
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 20-22 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30		25	250
8850 G2230	24x19 - Ø 22	30		25	250

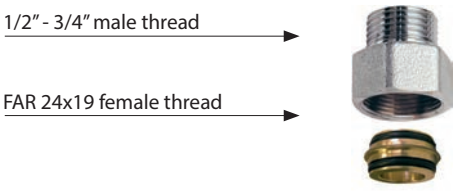
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 25-26 connection for multilayer pipe.
- Ø 25-26 multilayer adapter
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8854

Code	size	length/mm	€	box	pack
8854 25	24x19 - Ø 25x2,5	30		10	250
8854 26	24x19 - Ø 26x3	30		10	250

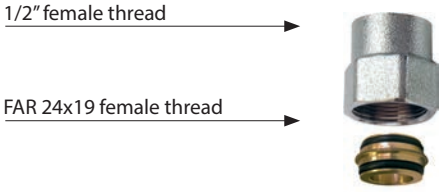
Chrome-plated reducer. Permits changing a FAR 24x19 male thread in a 1/2" - 3/4" male thread.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8865

Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" Flat faced	30		25	250
8865 3034	24x19 - 3/4" Flat faced	30		25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30		25	250

Chrome-plated reducer. Permits changing a FAR 24x19 male thread in a 1/2" female thread.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8870

Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30		25	250

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 3/4" - 1" MULTIFAR manifolds, 45mm centre distance between ports.
(Art. 3821-3822-3824-3825-3834-3835-3837-3850-3856)



ART. 9306

Code	outlets	size	€	box
9306 3402	2	3/4"		1
9306 3403	3	3/4"		1
9306 3404	4	3/4"		1
9306 102	2	1"		1
9306 103	3	1"		1
9306 104	4	1"		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1"1/4 MULTIFAR manifolds, 70mm centre distance between ports (Art. 3827).



ART. 9307

Code	outlets	size	€	box
9307 11402	2	1"1/4		1
9307 11403	3	1"1/4		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1"-1" 1/4" manifolds, 50 mm centre distance between ports.
(Art. 3401-3402-3403-3600-3650-3700-3625-3675-3725)



ART. 9303

Code	outlets	size	€	box
9303 102	2	1"		1
9303 103	3	1"		1
9303 104	4	1"		1
9303 11402	2	1"1/4		1
9303 11403	3	1"1/4		1
9303 11404	4	1"1/4		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1" 1/4"-1" 1/2" - 2" manifolds, 100 mm centre distance between ports.
(Art. 3611-3612-3616-3617)



ART. 9304

Code	outlets	size	€	box
9304 11402	2	1"1/4		1
9304 11403	3	1"1/4		1
9304 11202	2	1"1/2		1
9304 11203	3	1"1/2		1
9304 202	2	2"		1
9304 203	3	2"		1

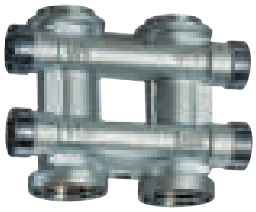
Anti-condensate protection shell made of thermo-formed expanded polyethylene for 1" manifolds with 36 mm centre distance between ports (Art.3000-3050-3100-3300-3350-3400-3150-3200-3250-3175-3225-3275-3450-3500-3550-3475-3525-3575).



ART. 9305

Code	outlets	size	€	box
9305 102	2	1"		1
9305 103	3	1"		1
9305 104	4	1"		1

Chrome-plated modular coplanar manifold.
Each manifold is complete with M8 screw and O-ring for connection.
- Body made of CW617N brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3750

Code	outlets	size	€	box	pack
3750 34	2+2	3/4"		1	20
3750 1	2+2	1"		1	20

Chrome-plated modular coplanar manifold with manual controls, right version. Each manifold is complete with M8 screw and O-ring for connection.
- Body made of CW617N brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3753

Code	outlets	size	€	box
3753 34	2	3/4"		1

Brass modular coplanar manifold with manual controls, left version. Each manifold is complete with M8 screw and O-ring for connection.
- Body made of CW617N brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3752

Code	outlets	size	€	box
3752 34	2	3/4"		1

PRE-ASSEMBLED chrome-plated coplanar manifold.
- Body made of CW617N brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3751

Code	outlets	size	€	box
3751 3404	4+4	3/4"		1
3751 3406	6+6	3/4"		1
3751 3408	8+8	3/4"		1
3751 3410	10+10	3/4"		1
3751 104	4+4	1"		1
3751 106	6+6	1"		1
3751 108	8+8	1"		1
3751 110	10+10	1"		1

PRE-ASSEMBLED coplanar manifold with manual controls.
- Body made of CW617N brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 3754

Code	outlets	size	€	box
3754 3404	2+2	3/4"		1
3754 3406	3+3	3/4"		1
3754 3408	4+4	3/4"		1
3754 3410	5+5	3/4"		1
3754 3412	6+6	3/4"		1

Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Body made of CW617N brass
- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2"- female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2"-3/4" female



ART. 4000

Code	size	€	box	pack
4000 3414	3/4"x1/4"		30	300
4000 3438	3/4"x3/8"		30	300
4000 3412	3/4"x1/2"		30	300
4000 114	1"x1/4"		30	300
4000 138	1"x3/8"		30	300
4000 112	1"x1/2"		30	300
4000 11414	1"1/4x1/4"		25	250
4000 11438	1"1/4x3/8"		25	250
4000 11412	1"1/4x1/2"		25	250
4000 11434	1"1/4x3/4"		25	250

Chrome-plated blind cap complete with gasket.

- Body made of CW617N brass



ART. 4100

Code	size	€	box	pack
4100 12	1/2"		50	500
4100 34	3/4"		40	400
4100 1	1"		30	300
4100 114	1"1/4		30	300
4100 112	1"1/2		15	150
4100 2	2"		10	100

Chrome-plated angled terminal blanking reduction for modular manifolds.

- Body made of CW617N brass
- Connection: 3/4"-1"- 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4050

Code	size	€	box	pack
4050 3414	3/4"x1/4"		30	240
4050 3438	3/4"x3/8"		30	240
4050 3412	3/4"x1/2"		30	240
4050 114	1"x1/4"		30	180
4050 138	1"x3/8"		30	180
4050 112	1"x1/2"		30	180
4050 11438	1"1/4x3/8"		30	180
4050 11412	1"1/4x1/2"		30	180

KIT for manifold outlets complete with chrome-plated nut.
(Adaptable to all interchangeable outlets).
Ø 18 outlets excluded.



ART. 4250

Code	size	€	box	pack
4250	24x19		50	400

Chrome-plated male plug for manifold outlets.

- Body made of CW617N brass



ART. 4125

Code	size	€	box	pack
4125 12	1/2"		30	-

Chrome-plated terminal blanking plug with O-ring seal for manifolds.

- Body made of CW617N brass



ART. 4150

Code	size	€	box	pack
4150 34	3/4"		25	250
4150 1	1"		25	250
4150 114	1"1/4		25	250
4150 112	1"1/2		10	100
4150 2	2"		10	100

Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.

- Body made of CW617N brass



ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"		25	250
4200 3438	3/4"x3/8"		25	250
4200 3412	3/4"x1/2"		25	250
4200 114	1"x1/4"		25	250
4200 138	1"x3/8"		25	250
4200 112	1"x1/2"		25	250
4200 134	1"x3/4"		25	250
4200 11412	1"1/4x1/2"		25	250
4200 11434	1"1/4x3/4"		25	250
4200 1141	1"1/4x1"		25	250
4200 1121	1"1/2x1"		10	100
4200 21	2"x1"		10	100

Chrome-plated connection for coplanar and flanged manifolds.
Interchangeable sizes for copper, plastic and multilayer pipe.

- Body made of CW617N brass



ART. 4300

Code	size	€	box	pack
4300 34	3/4"		25	200
4300 1	1"		25	200

End closing plug for flanged manifolds.

- Body made of CW617N brass



ART. 4310

Code	size	€	box
4310 1	1"		30

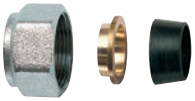
Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25		50	250
6052 48186	plastic	12x2,15		50	250
6052 4847	plastic	12x2		50	250
6052 48184	plastic	12x1,5		50	250
6052 481005	plastic	12x1,35		50	250
6052 9761005	plastic	12,7x1,7		50	250
6052 976186	plastic	12,7x2,4		50	250
6052 6563	plastic	14x1,5		50	250
6052 6545	plastic	14x2		50	250
6052 4645	plastic	15x2,5		50	250
6052 4663	plastic	15x2		50	250
6052 46173	plastic	15x1,7		50	250
6052 4661	plastic	15x1,5		50	250
6052 5863	plastic	16x2,5		50	250
6052 58173	plastic	16x2,2		50	250
6052 5861	plastic	16x2		50	250
6052 58262	plastic	16x1,8		50	250
6052 5864	plastic	16x1,5		50	250
6052 58180	plastic	16x2,7		50	250
6052 15061	plastic	16,8x2,4		50	250
6052 150829	plastic	17x2,25		50	250
6052 15043	plastic	17x2		50	250
6052 6043	plastic	17,8x2,4		50	250
6052 60180	plastic	17,8x3,6		50	250
6052 4443	plastic	18x2,5		50	250
6052 44221	plastic	18x2,2		50	250
6052 4468	plastic	18x2		50	250
6052 8043	plastic	20x3,5		50	250
6052 8068	plastic	20x3		50	250
6052 80185	plastic	20x2,8		50	250
6052 80222	plastic	20x2,3		50	250
6052 8069	plastic	20x2,15		50	250
6052 80214	plastic	20x2		50	250
6052 80261	plastic	20x1,9		50	250

Sealing compression KIT in rubber for copper pipe.
Complete with:
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15		100	500
8429 16	copper	Ø 16		100	500

Kit for multilayer pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5		50	250
6055 48901	multilayer	12x1,8		50	250
6055 65193	multilayer	14x2		50	250
6055 46193	multilayer	15x2,5		50	250
6055 58190	multilayer	16x2		50	250
6055 58200	multilayer	16x2,25		50	250
6055 58278	multilayer	16,2x2,6		50	250
6055 150200	multilayer	16,8x2,5		50	250
6055 150810	multilayer	17x2		50	250
6055 44191	multilayer	18x2		50	250
6055 80204	multilayer	20x2		50	250
6055 80192	multilayer	20x2,25		50	250
6055 80201	multilayer	20x2,5		50	250
6055 80191	multilayer	20x2,9		50	250

Kit for multilayer pipes. Suitable for our MULTIFAR manifold art. 3827.
Complete with:
- adapter for multilayer pipe
- brass ring
- brass nut with M33x1,5 thread



ART. 6056

Code	pipe	Ø external diameter	€	box	pack
6056 263274	multilayer	20x2		25	250
6056 263264	multilayer	20x2,25		25	250
6056 263265	multilayer	20x2,5		25	250
6056 219218	multilayer	25x2,5		25	250
6056 220218	multilayer	26x3		25	250

Sealing compression KIT in rubber for copper pipe.
Complete with:
- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10		100	500
8427 12	copper	Ø 12		100	500
8427 14	copper	Ø 14		100	500

Code	Description	size	gasket	€	box	pack
3825 34G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3825 1G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3850 34G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3850 1G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3856 34G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3856 1G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3875 34G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber		1	25
3875 1G18	2 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber		1	25
3900 34G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber		1	25
3900 1G18	3 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber		1	25
3906 34G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	3/4"x18	Rubber		1	25
3906 1G18	4 PORT MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN REGULATING VALVES	1"x18	Rubber		1	25
3834 34G18	2 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3834 1G18	2 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3835 34G18	3 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3835 1G18	3 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3837 34G18	4 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	3/4"x18	Rubber		1	25
3837 1G18	4 PORT "CR" (DZR) MALE-FEMALE "MULTIFAR" MANIFOLD COMPLETE WITH BUILT-IN MANUAL CONTROLS	1"x18	Rubber		1	25
3000 34G18	2 PORT FEMALE MANIFOLD	3/4"x18	Rubber		14	140
3000 1G18	2 PORT FEMALE MANIFOLD	1"x18	Rubber		12	120
3050 34G18	3 PORT FEMALE MANIFOLD	3/4"x18	Rubber		10	100
3050 1G18	3 PORT FEMALE MANIFOLD	1"x18	Rubber		8	80
3100 34G18	4 PORT FEMALE MANIFOLD	3/4"x18	Rubber		8	80
3100 1G18	4 PORT FEMALE MANIFOLD	1"x18	Rubber		6	60
3300 34G18	2 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber		12	120
3300 1G18	2 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber		10	100
3350 34G18	3 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber		9	90
3350 1G18	3 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber		7	70
3400 34G18	4 PORT MALE-FEMALE MANIFOLD	3/4"x18	Rubber		8	80
3400 1G18	4 PORT MALE-FEMALE MANIFOLD	1"x18	Rubber		6	60
3401 34G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber		12	120
3401 1G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber		8	80
3401 114G18	2 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber		8	80
3402 34G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber		8	80
3402 1G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber		6	60
3402 114G18	3 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber		6	60
3403 34G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	3/4"x18	Rubber		6	60
3403 1G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"x18	Rubber		4	40
3403 114G18	4 PORT MALE-FEMALE MANIFOLD WITH 50 mm. CENTRE DISTANCE BETWEEN PORTS	1"1/4x18	Rubber		4	40
3750 34G18	2+2 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber		1	-
3750 1G18	2+2 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber		1	-
3751 3404G18	4+4 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber		1	-
3751 3406G18	6+6 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber		1	-
3751 3408G18	8+8 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber		1	-
3751 3410G18	10+10 PORT MODULAR COPLANAR MANIFOLD	3/4"x18	Rubber		1	-
3751 104G18	4+4 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber		1	-
3751 106G18	6+6 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber		1	-
3751 108G18	8+8 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber		1	-
3751 110G18	10+10 PORT MODULAR COPLANAR MANIFOLD	1"x18	Rubber		1	-
4300 34G18	CONNECTION FOR COPLANAR MANIFOLD	3/4"x18	Rubber		25	200
4300 1G18	CONNECTION FOR COPLANAR MANIFOLD	1"x18	Rubber		25	200



Inspection boxes and accessories 06

Metal inspection boxes	193
'TUTTO' plastic inspection boxes	196
BEAUTYFAR - Magnetic cover for inspection boxes	197

Metal boxes and compatible manifolds

In order to make box selection easier, the installation overviews below show two tables with the maximum number of installable ports of 1" thermo-electric manifold and 1" 1/4 male-female thermo-electric manifold.
The first example considers the overall dimension of a manifold, a ball valve or a zone valve, an intermediate connection and a closing plug, while the second example considers a manifold, an intermediate connection and a closing plug.



ART. 7148-7150

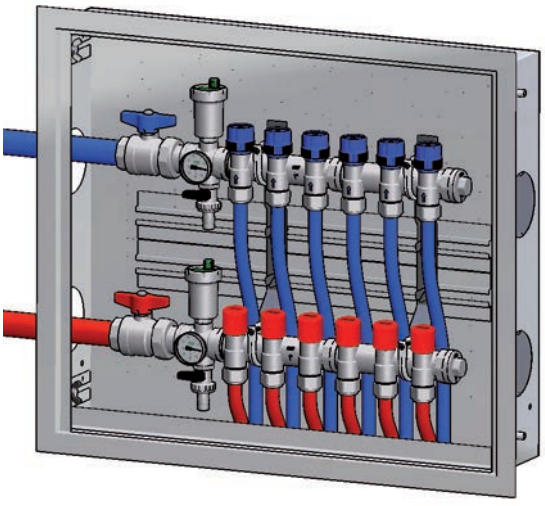


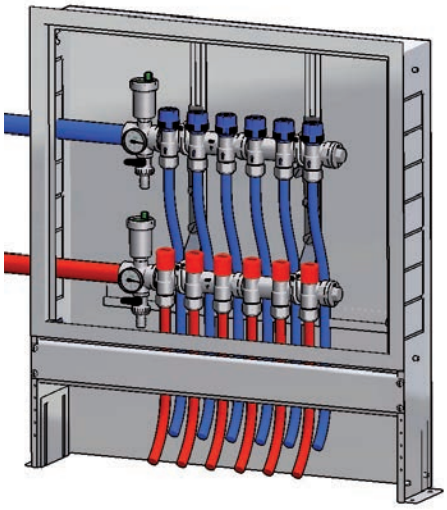
ART. 7165

Installation overview:

box width	installable components
400	VALVE + 4 PORT MANIFOLD + CONNECTION + PLUG
600	VALVE + 7 PORT MANIFOLD + CONNECTION + PLUG
800	VALVE + 10 PORT MANIFOLD + CONNECTION + PLUG
1000	VALVE + 12 PORT MANIFOLD + CONNECTION + PLUG
1200	VALVE + 14 PORT MANIFOLD + CONNECTION + PLUG

box width	installable components
400	6 PORT MANIFOLD + CONNECTION + PLUG
600	9 PORT MANIFOLD + CONNECTION + PLUG
800	12 PORT MANIFOLD + CONNECTION + PLUG
1000	14 PORT MANIFOLD + CONNECTION + PLUG





NB The installation examples refer to all models of metal boxes (Art. 7148-7150-7165).

Painted sheet steel box for distribution manifolds.
- Adjustable depth from 110 mm to 150 mm
- Cover with lock



ART. 7150

Code	size/mm	€	box
7150 40	400x450x110		1
7150 50	500x450x110		1
7150 60	600x450x110		1
7150 80	800x450x110		1
7150 100	1000x450x110		1
7150 120	1200x450x110		1

Painted sheet steel frame complete with cover for distribution manifolds.
- Cover with lock
- Suitable for boxes art. 7148-7150



ART. 7152

Code	size/mm	€	box
7152 40	400x450x110		1
7152 50	500x450x110		1
7152 60	600x450x110		1
7152 80	800x450x110		1
7152 100	1000x450x110		1
7152 120	1200x450x110		1

Galvanized sheet box with painted cover for distribution manifolds.
- Adjustable depth from 110 mm to 150 mm
- Cover with lock



ART. 7148

Code	size/mm	€	box
7148 40	400x450x110		1
7148 50	500x450x110		1
7148 60	600x450x110		1
7148 80	800x450x110		1
7148 100	1000x450x110		1
7148 120	1200x450x110		1

Support for floor installation of the galvanized sheet box, Art. 7148.



ART. 7149

Code	size/mm	€	box
7149 40	400x110		1
7149 50	500x110		1
7149 60	600x110		1
7149 80	800x110		1
7149 100	1000x110		1
7149 120	1200x110		1

Painted sheet steel box with integrated feet for distribution manifolds.
- Adjustable depth from 150 mm to 190 mm
- Cover with lock



ART. 7165

Code	size/mm	€	box
7165 80	800x700x150		1
7165 100	1000x700x150		1
7165 120	1200x700x150		1

Painted sheet steel frame complete with cover for distribution manifolds.
- Cover with lock



ART. 7166

Code	size/mm	€	box
7166 80	800x700x150		1
7166 100	1000x700x150		1
7166 120	1200x700x150		1

Plastic UNIVERSAL BRACKET for fittings (Art. 5650-5700-5750).
Suitable for housing all types of manifolds with the aid of the special supports (Art. 7500 - 7550).
Available in WHITE, BLUE and RED.

BI = WHITE BL = BLUE RO = RED



ART. 7475

Code	size/mm	€	box
7475 BI	300		1
7475 BL	300		1
7475 RO	300		1

Metal bracket complete with supports for inspection box
(Art . 7148 - 7150 - 7155 - 7165).



ART. 7480

Code	size	€	box
7480 34	3/4"		6
7480 1	1"		6
7480 114	1"1/4		6

PA66 bracket complete with supports for steel manifolds
(Art . 3989 - 3999 - 3988 - 3998 - 398R - 399R).



new

ART. 7483

Code	size	€	box
7483 34	3/4"		6
7483 1	1"		6
7483 114	1"1/4		6

Supports for manifolds preset to be hooked on metal bracket.



ART. 7490

Code	size	€	box
7490 34	3/4"		50
7490 1	1"		50
7490 114	1"1/4		50

Slide for bracket locking on sheet inspection box
(Art. 7150 - 7155).



ART. 7153

Code	€	box
7153		-

Kit for frame locking on sheet inspection boxes, complete with:
- nr. 4 M5x10 wing screws
- nr. 4 M6x10 wing screws



ART. 8556

Code	€	box
8556 08		-

Kit for slides locking on sheet inspection boxes (Art. 7150 - 7155 - 7165) complete with:
- nr. 4 M8 nuts
- nr. 4 M8 screws
- nr. 4 washers



ART. 8557

Code	size	€	box
8557 04	M8		-

Sheet box with painted cover and integrated feet for distribution manifolds

- Adjustable depth from 80 mm to 120 mm
- Cover with lock



ART. 7158

Code	size/mm	€	box
7158 60	600x500x80		1
7158 85	850x500x80		1

Supports for distribution, modular and thermo-electric manifolds fixing.



ART. 7553

Code	size	€	box
7553 1	1"		100

Installation instructions

Number of outlets	Boxes code
up to 7 outlets	7158 60
up to 12 outlets	7158 85

Manifolds

1" M-F return manifold: art.3913 from 4 to 12 outlets

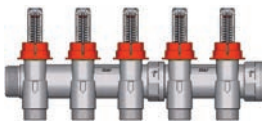


On the supply line it is possible to install the following:

1" M-F manifolds with flowmeters: art. 3970 from 4 to 12 outlets

or

1" M-F balancing manifolds: art. 3923 from 4 to 12 outlets





Supports art. 7553 for manifolds fixing

To fix the manifolds into the boxes, there are two horizontal guides in which the supports, art. 7553 1, will be placed.

The pair of supports inside the package have two different sizes:

- The short support will be used for the manifold installed on the top
- The long support will be used for the manifold installed below

in order to allow the passage of the pipes of the upper manifold.

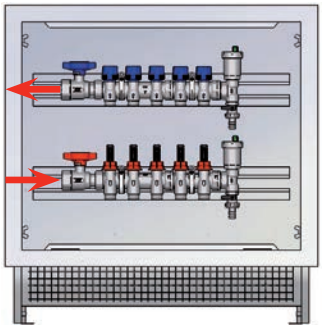
SHORT SUPPORT FOR UPPER MANIFOLD



LONG SUPPORT FOR LOWER MANIFOLD



Components to install for connections on the left





Art. 4071 138
1" M connection with automatic air vent valve and drain cock



Art. 4071 M138
1" M connection with manual air vent valve and drain cock



Art. 3054 1R
1" F-F red temperature gauge holder ball valve

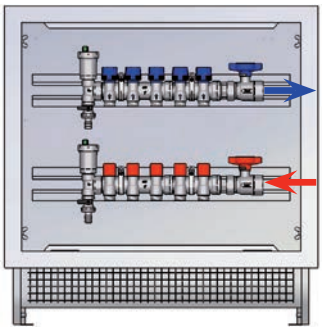


Art. 3054 1B
1" F-F blue temperature gauge holder ball valve



Art. 2653 80
80°C temperature gauge for valve

Components to install for connections on the right





Art. 4070 138
1" F connection with automatic air vent valve and drain cock



Art. 4070 M138
1" F connection with manual air vent valve and drain cock



Art. 3058 1R
1" M-F red temperature gauge holder ball valve



Art. 3058 1B
1" M-F blue temperature gauge holder ball valve



Art. 2653 80
80°C temperature gauge for valve

"TUTTO" plastic inspection box.
- Suitable for installation of zone valves and thermo-electric manifolds for heating systems
- To fix the manifolds in the box use the supports (Art. 7500 - 7550)
- The cover can be press-fitted, or with screws



ART. 7410

Code	size/mm	€	box	pack
7410 50	500x410x100		1	4
7410 70	700x410x100		1	4
7410 90	900x410x100		1	4

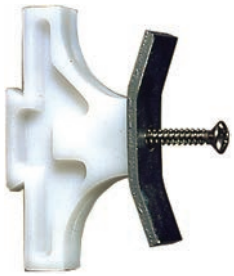
"TUTTO" plastic inspection box.
- Suitable for housing the manifolds with the aid of the special supports (Art. 7500 - 7550)
- Cover fixed with screws
- Not suitable to install thermo-electric manifolds



ART. 7420-7425-7450-7460

Code	size/mm	€	box	pack
7420	300x250x80		1	14
7425	400x250x80		1	12
7450	480x250x80		1	10
7460	600x300x80		1	5

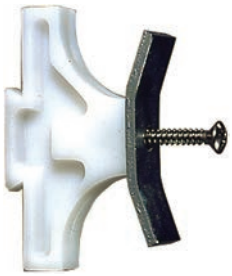
UNIVERSAL support for the fixing of coplanar manifolds (Art. 3750 - 3751) to the following products:
- Art. 7410-7420-7425-7450-7460
- Art. 7475



ART. 7500

Code	€	box
7500		100

UNIVERSAL support for the fixing of coplanar manifolds with stop valves (Art. 3752-3753-3754) to the following items:
- Art. 7410-7420-7425-7450-7460
- Art. 7475



ART. 7510

Code	€	box
7510		100

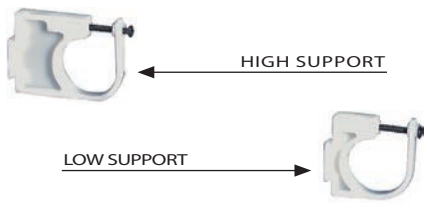
Supports for the fixing of simple, modular, thermo-electric and MULTIFAR manifolds to the following items:
- Art. 7410-7420-7425-7450-7460
- Art. 7475



ART. 7550

Code	size	€	box
7550 34	3/4"		100
7550 1	1"		100
7550 114	1"1/4		100

Single support for the fixing of simple, modular, thermo-electric and MULTIFAR manifolds.



ART. 7551

Code	size	type	€	box
7551 34A	3/4"	high		1
7551 1A	1"	high		1
7551 114A	1"1/4	high		1
7551 34B	3/4"	low		1
7551 1B	1"	low		1
7551 114B	1"1/4	low		1

Cover for "TUTTO" box with fixing screws.

- 6140 300 for Art. 7420
- 6140 400 for Art. 7425
- 6140 480 for Art. 7450
- 6140 600 for Art. 7460



ART. 6140

Code	size/mm	€	box
6140 300	300x250		1
6140 400	400x250		1
6140 480	480x250		1
6140 600	600x300		1

Cover for "TUTTO" box Art. 7410 with fixing screws.

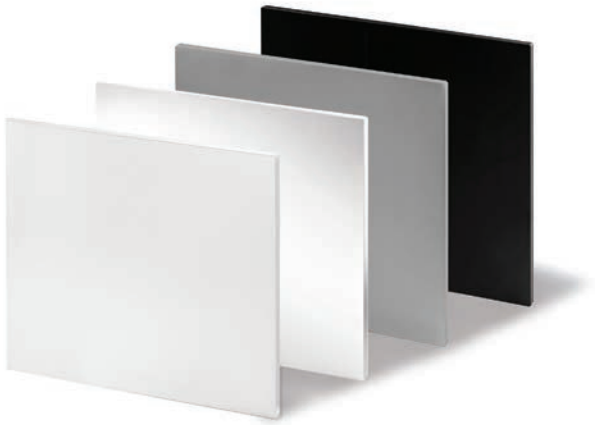


ART. 6141

Code	size/mm	€	box
6141 500	500x410		4
6141 700	700x410		4
6141 900	900x410		4

BEAUTYFAR - Magnetic cover for inspection boxes.

- Magnetic fixing system
- Suitable for "TUTTO" boxes range
- Carefully designed
- 300x250 sizes for Art. 7420
- 400x250 sizes for Art. 7425
- 480x250 sizes for Art. 7450



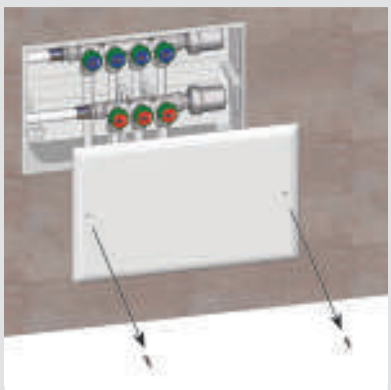
BEAUTYFAR

ART. 6142

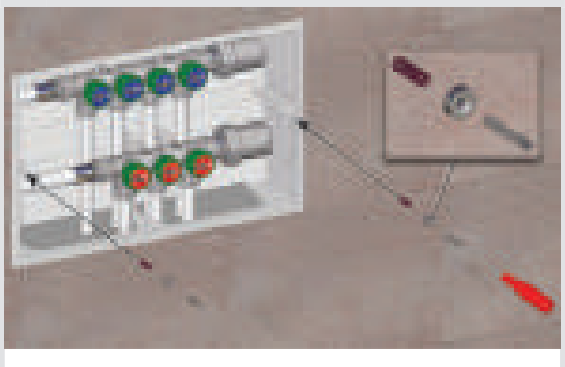
Code	colour	finish	size/mm	€	box
6142 300BL	white	glossy	300x250		1
6142 300GS	gray	metallic	300x250		1
6142 300BO	white	matt	300x250		1
6142 300NO	black	matt	300x250		1
6142 400BL	white	glossy	400x250		1
6142 400GS	gray	metallic	400x250		1
6142 400BO	white	matt	400x250		1
6142 400NO	black	matt	400x250		1
6142 480BL	white	glossy	480x250		1
6142 480GS	gray	metallic	480x250		1
6142 480BO	white	matt	480x250		1
6142 480NO	black	matt	480x250		1

Installation example:

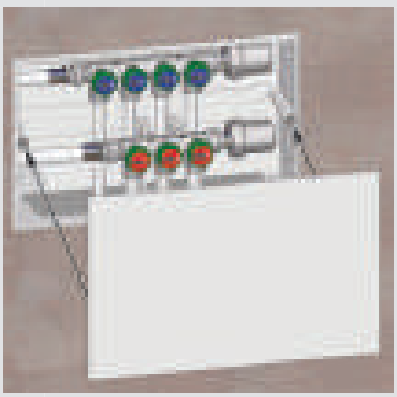
1 Unscrew the fixing screws from the cover installed on the TUTTO plastic box. Remove the cover.



2 Screw the screws (**supplied in the package**) by inserting the spring and the magnetic disc, by following the order shown in the picture

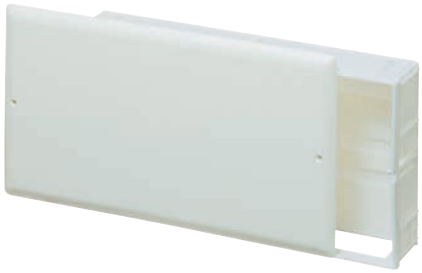


3 Install BEAUTY**FAR**, matching the metal inserts on the inside, with magnetic discs screwed to the box



Manifolds suitable for 'TUTTO" boxes

Dimensions have been calculated in relation to the assembly of a manifold, a blind plug and a 3-piece bent connection.



3/4"-1" manifold. Centre distance between ports: 36mm

Number of outlets	Boxes width
3	300
4	300
5	400
6	400
7	400
8	480
9	480
10	600
11	600
12	600

Manifolds with 36mm centre distance between ports

3000-3050-3100-3300-3350-3400-3150-3200-3250
3175-3225-3275-3450-3500-3550-3475-3525-3575



3/4"-1"-1"1/4 manifold. Centre distance between ports: 50mm

Number of outlets	Boxes width
3	300
4	400
5	400
6	480
7	480
8	480
9	600

Manifolds with 50mm centre distance between ports

3401-3402-3403-3600-3650-3700-3625-3675-3725



3/4" - 1" coplanar manifold. Centre distance between ports: 40mm

Number of outlets	Boxes width	Number of manifolds
4+4	300	2
6+6	400	3
8+8	480	4
10+10	600	5

Manifolds with 40mm centre distance between ports

3750-3751



3/4" coplanar manifold. Centre distance between ports: 48mm

Number of outlets	Boxes width	Number of manifolds
2+2	300	2
2+4	300	3
4+4	300	4
4+6	400	5
6+6	400	6

Manifolds with 48mm centre distance between ports

3752-3753-3754



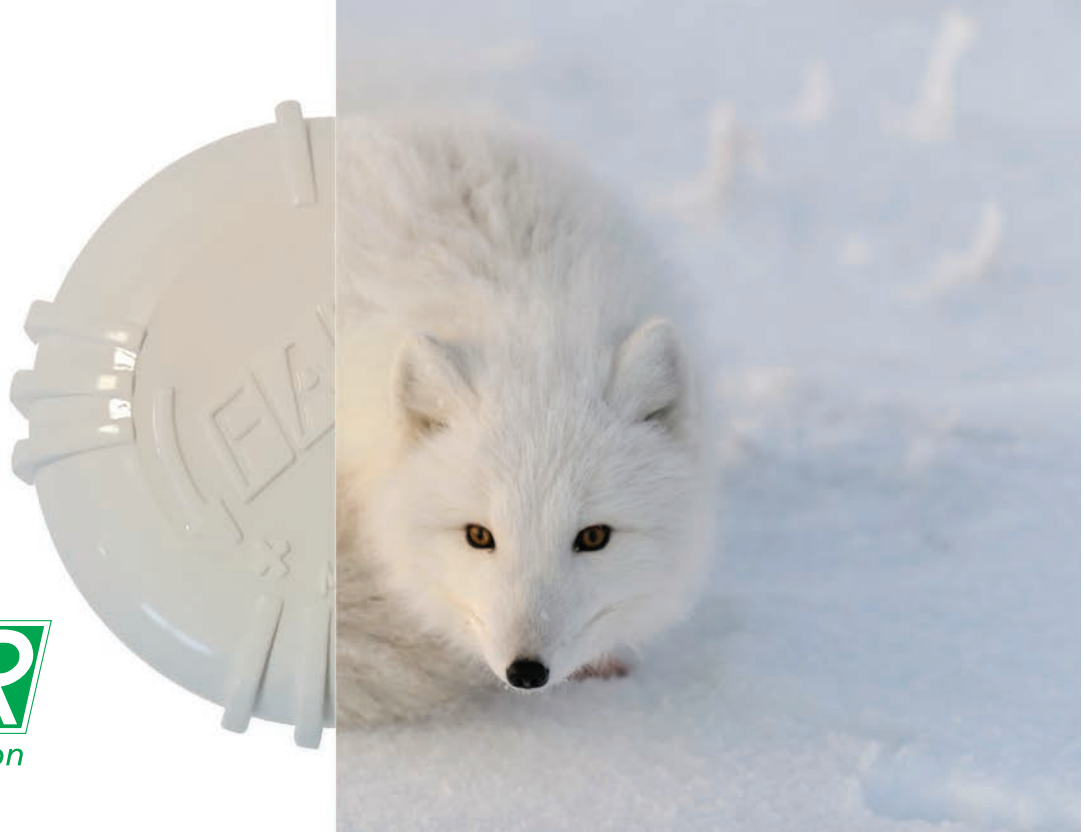
3/4"-1" Multifar manifold. Centre distance between ports: 45mm

Number of outlets	Boxes width
3	300
4	300
5	400
6	480
7	480
8	600
9	600
10	600

Manifolds with 45mm centre distance between ports

3818-3819-3821-3822-3823-3824-3825-3826-3850-3851
3856-3859-3860-3869-3870-3872-3873-3875-3876
3878-3879-3900-3901-3906-3834-3835-3837





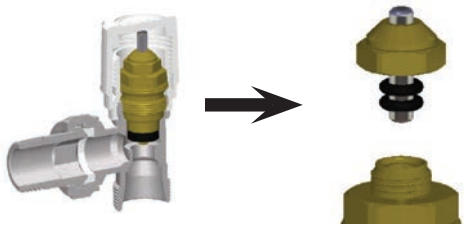
Valves for radiators and accessories 07

Thermostatic valves and lockshield valves	202
Thermostatic and thermo-electric heads	207
Manual valves and lockshield valves	212
Thermostatic single/double pipe valves	215
Thermostatic single-pipe valves	220
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Manual single-pipe and double-pipe valves	222
Manual single/double pipe valves	224
Accessories	225
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Adapters and sealing kit	230
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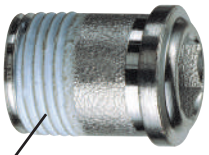
Installation of thermostatic and thermo-electric heads is very simple. It can be carried out by removing the handle and the plastic component.

Unscrew the handle (1), insert the green extractor on the stainless steel pin (2) and re-screw the handle (3). In this way it is possible to remove the handle and the plastic component without damaging them in order to install the desired head.



It is possible to replace the sealing O-ring within the body of the valve without draining down the system.

The nominal diameter and the water flow direction are indicated on each valve body.



Terminals have a conical thread and are provided with Loctite® Dri-Seal 5061 which guarantees the seal on the standard thread.

CONICAL THREAD WITH LOCTITE® DRI-SEAL® 5061

SEAT IN HPF

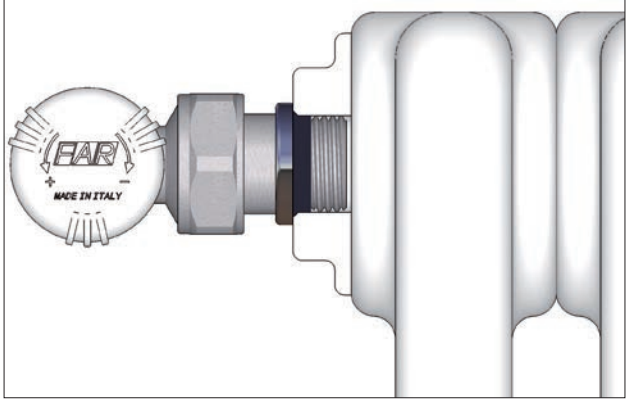


A seal between terminal and body is achieved by means of an HPF seat, which guarantees reliability and durability.



Far offers new unions with rubber sealing that allow installation on radiators without the use of hemp or PTFE sealing.

INSTALLATION OVERVIEW



INSTALLABLE COMPONENTS

FAR manual valves and lockshield valves are available with iron connection and with interchangeable connections for copper, plastic and multilayer pipe.



For easier installation, FAR offers a special range of spare parts:

ART. 8820	ART. 8850	ART. 8870	ART. 8900	ART. 5560
TELESCOPIC TERMINAL	STRAIGHT EXTENSION	REDUCER	SPECIAL ELBOW WITH Ø16 CUT PIPE	ECCENTRIC FITTING
To cover the distance between valve and radiator 3/8": from 32mm to 55mm 1/2" - 3/4": from 35mm to 60mm	Enables changing a FAR 24x19 thread in a Ø 18-22 connection for copper pipe. Available with 30-35-40 mm extension	Enables changing a FAR 24X19 thread in a 1/2" female thread	Available in 30 and 100 mm lengths	Available sizes: 1-2-3-4-5-6 cm with 3/8"-1/2"-3/4" thread
				

Chrome-plated angled thermostatic valve with horizontal control.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1615

Code	size	€	box	pack
1615 38	3/8″		5	150
1615 12	1/2″		5	150



Chrome-plated angled thermostatic valve with horizontal control.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1625

Code	size	€	box	pack
1625 12	1/2″		5	150

Chrome-plated thermostatic valve, left-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1616

Code	size	€	box	pack
1616 38	3/8″		10	100
1616 12	1/2″		10	100



Chrome-plated lockshield valve, right-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1117

Code	size	€	box	pack
1117 38	3/8″		10	100
1117 12	1/2″		10	100

Chrome-plated thermostatic valve, left-angled version.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1626

Code	size	€	box	pack
1626 38	3/8″		10	100
1626 12	1/2″		10	100



Chrome-plated lockshield valve, right-angled version.
- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1127

Code	size	€	box	pack
1127 38	3/8″		10	100
1127 12	1/2″		10	100

Chrome-plated thermostatic valve, right-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1617

Code	size	€	box	pack
1617 38	3/8″		10	100
1617 12	1/2″		10	100



Chrome-plated lockshield valve, left-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1116

Code	size	€	box	pack
1116 38	3/8″		10	100
1116 12	1/2″		10	100

Chrome-plated thermostatic valve, right-angled version.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1627

Code	size	€	box	pack
1627 38	3/8″		10	100
1627 12	1/2″		10	100



Chrome-plated lockshield valve, left-angled version.
- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1126

Code	size	€	box	pack
1126 38	3/8″		10	100
1126 12	1/2″		10	100

Chrome-plated angled thermostatic valve with horizontal control.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1635



Code	size	€	box	pack
1635 38	3/8"		5	150
1635 12	1/2"		5	150

Chrome-plated angled thermostatic valve with horizontal control.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1645



Code	size	€	box	pack
1645 12	1/2"		5	150

Chrome-plated thermostatic valve, left-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1636



Code	size	€	box	pack
1636 38	3/8"		10	100
1636 12	1/2"		10	100

Chrome-plated lockshield valve, right-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1137



Code	size	€	box	pack
1137 38	3/8"		10	100
1137 12	1/2"		10	100

Chrome-plated thermostatic valve, left-angled version.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1646



Code	size	€	box	pack
1646 38	3/8"		10	100
1646 12	1/2"		10	100

Chrome-plated lockshield valve, right-angled version.
- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1147



Code	size	€	box	pack
1147 38	3/8"		10	100
1147 12	1/2"		10	100

Chrome-plated thermostatic valve, right-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1637



Code	size	€	box	pack
1637 38	3/8"		10	100
1637 12	1/2"		10	100

Chrome-plated lockshield valve, left-angled version.
- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1136



Code	size	€	box	pack
1136 38	3/8"		10	100
1136 12	1/2"		10	100

Chrome-plated thermostatic valve, right-angled version.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1647



Code	size	€	box	pack
1647 38	3/8"		10	100
1647 12	1/2"		10	100

Chrome-plated lockshield valve, left-angled version.
- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1146



Code	size	€	box	pack
1146 38	3/8"		10	100
1146 12	1/2"		10	100

Chrome-plated angled thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1610

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1610 38	3/8″		10	50
1610 12	1/2″		10	50



Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1100

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1100 38	3/8″		10	50
1100 12	1/2″		10	50

Chrome-plated straight thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1630

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1630 38	3/8″		10	50
1630 12	1/2″		10	50



Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1300

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1300 38	3/8″		10	50
1300 12	1/2″		10	50

Chrome-plated angled thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1620

ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1620 38	3/8″		10	50
1620 12	1/2″		10	50
1620 34	3/4″		10	50
1620 1	1″		5	40



Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1200

ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1200 38	3/8″		10	50
1200 12	1/2″		10	50
1200 34	3/4″		5	50
1200 1	1″		5	40

Chrome-plated straight thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with Loctite® Dri-Seal® 5061l® 5061

ART. 1640

ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1640 38	3/8″		10	50
1640 12	1/2″		10	50
1640 34	3/4″		10	50
1640 1	1″		5	40



Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1400

ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1400 38	3/8″		10	50
1400 12	1/2″		10	50
1400 34	3/4″		5	50
1400 1	1″		5	40

Chrome-plated angled thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1611



Code	size	€	box	pack
1611 38	3/8"		10	50
1611 12	1/2"		10	50

Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1111

Code	size	€	box	pack
1111 38	3/8"		10	50
1111 12	1/2"		10	50

Chrome-plated straight thermostatic valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1631



Code	size	€	box	pack
1631 38	3/8"		10	50
1631 12	1/2"		10	50

Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1311

Code	size	€	box	pack
1311 38	3/8"		10	50
1311 12	1/2"		10	50

Chrome-plated angled thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1621



Code	size	€	box	pack
1621 38	3/8"		10	50
1621 12	1/2"		10	50

Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1211

Code	size	€	box	pack
1211 38	3/8"		10	50
1211 12	1/2"		10	50

Chrome-plated straight thermostatic valve.

- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- terminal provided with EPDM gasket

ART. 1641



Code	size	€	box	pack
1641 38	3/8"		10	50
1641 12	1/2"		10	50

Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1411

Code	size	€	box	pack
1411 38	3/8"		10	50
1411 12	1/2"		10	50

Chrome-plated angled thermostatic valve with PRESETTING.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1618

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1618 38	3/8″		1	50
1618 12	1/2″		1	50



Chrome-plated straight thermostatic valve with PRESETTING.
- interchangeable sizes for copper, plastic and multilayer pipe
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket



ART. 1638

ATTACCO 24x19 CONNECTION

Code	size	€	box	pack
1638 38	3/8″		1	50
1638 12	1/2″		1	50

Chrome-plated angled thermostatic valve with PRESETTING.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket

ART. 1628

ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1628 38	3/8″		1	50
1628 12	1/2″		1	50
1628 34	3/4″		1	50



Chrome-plated straight thermostatic valve with PRESETTING.
- iron pipe connection
- easy extraction system for manual regulating valve
- stainless steel pin with double sealing O-ring
- strengthened back spring and flat lock
- numbered ring for setting
- regulating key
- terminal provided with EPDM gasket



ART. 1648

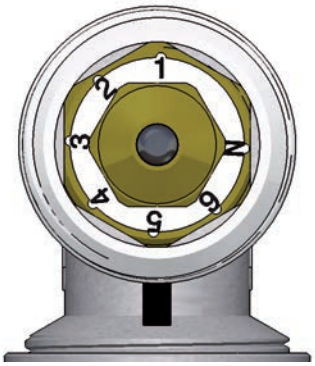
ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	size	€	box	pack
1648 38	3/8″		1	50
1648 12	1/2″		1	50
1648 34	3/4″		1	50

Thermostatic valves with presetting allow the water flow to the radiator to be divided by means of a shaped body. They are designed for installation of the thermostatic head.

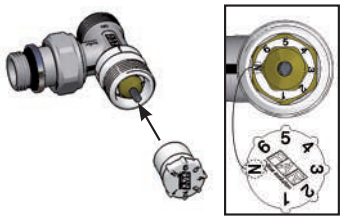
Adjustment is carried out by removing the handle and rotating the body up to the black reference notch at the desired position (from 1 to 6, plus the 'N' condition of fully open).

The shape of the regulating body allows a default value for flow resistance to be set for each of the calibration positions.

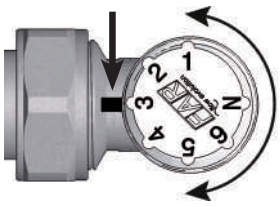




1. Completely unscrew the handle by turning it counterclockwise.



2. Insert the regulating key included in the package by matching the letter N on the key with the one on the valve.



3. Turn the key clockwise or counter clockwise, moving it to the designed value at the reference notch.

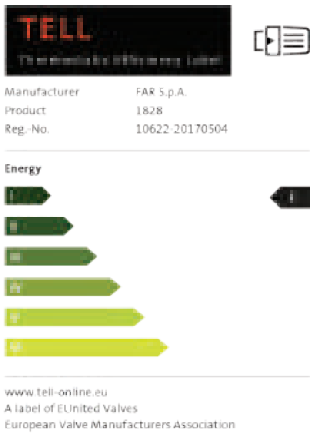


4. Remove the key and replace the handle or the thermostatic head.

Thermostatic head with liquid sensor for FAR thermostatic valves.

- Temperature regulation range: from 7°C (✱ position) to 28°C (5 position)
- Possibility to lock the head in the desired position.
- Possibility to restrict the setting range.
- Easy installation on the radiator valve.





ART. 1828

Code	€	box	pack
1828		1	50

Certification EN215 (Keymark) in combination with valves Arts. 1620-1640 DN15

Anti-tamper guard for Art.1828.
Including:

- Allen key screw and nut
- Allen key



ART. 1833

Code	€	box
1833		1

SETTING AND INSTALLATION

TEMPERATURE SETTING:

SELECTOR POSITION	TEMPERATURE
0	EXCLUDED RADIATOR
*	7°C
1	12°C
2	16°C
3	20°C
4	24°C
5	28°C

The setting reducers allow to lock the thermostatic head on the setting value (**picture A**) or to restrict the setting range (**picture B**)

A - The thermostatic head is locked on position 3.



B - The thermostatic head is limited between position 2 and 4

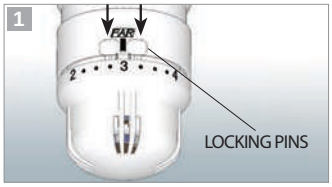


Art.1833

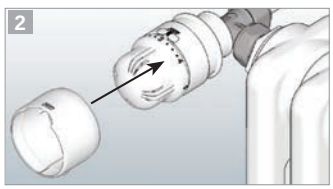
ANTI-TAMPER GUARD
for thermostatic head Art.1828

The anti-tamper guard art. 1833 allows to safely lock the FAR thermostatic head art.1828 on the set temperature value and to prevent the removal of the head by unauthorized people.

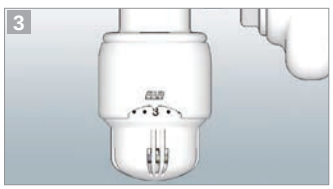




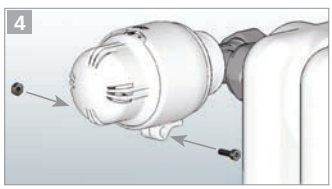
Set the desired value and lock the temperature by pushing the two pins on the head towards the numbered ring.
NB: The two pins must always be placed towards the numbered selector in order to install the anti-tamper guard.



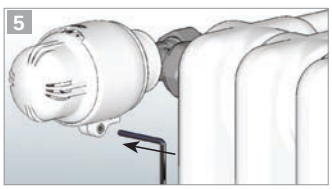
Place the anti-tamper guard in the right position, as shown in the picture.



Check the correct connection of the anti-tamper guard. The indicator must correspond with the desired number position.



Place the locking nut in the seat



Tighten the screw with the Allen key in order to lock the anti-tamper guard.

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Length connection cable: 75 cm
- Protection rating: IP54

- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN



N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC		1	100
1919	230 V	180 s	NC		1	100
1929	24 V	180 s	NA		1	100
1939	230 V	180 s	NA		1	100

Chrome-plated adapter suitable for installation of electric actuators on thermostatic valves.

- M30x1,5 thread



ART. 1941

Code	€	box
1941		1

Antitampering protection for art.1810.



ART. 1830

Code	€	box
1830		1

Thermostatic control head. Remote sensor with liquid-filled element.

- remote selector
- length of capillary: 2 m.
- temperature range: 7°÷28°C

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.



ART. 1800

Code	€	box	pack
1800		1	-

Thermostatic control head. Built-in sensor with liquid-filled element.

- temperature range: 7°÷28°C.

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.

Available in different finishing, see page 251



ART. 1824

Code	€	box	pack
1824		1	100

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Length connection cable: 75 cm
- Protection rating: IP54

- NC = NORMALLY CLOSED



N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC		1	100
1924	230 V	180 s	NC		1	100
1913	24 V	90 s	NC		1	100
1923	230 V	90 s	NC		1	100

Thermostatic control head. Remote sensor with liquid-filled element.

- remote selector
- length of capillary: 2 m.
- temperature range: 7°÷28°C

Provided with regulation scale numbered from 1 to 5, in order to choose the desired temperature.



ART. 1810

Code	€	box
1810		1

Chrono-termostatic head for FAR thermostatic valves.

- temperature range: 6 - 28° C
- battery operated (2x1,5V AA)
- backlight display
- weekly programmable clock
- open window function
- holiday/absence function
- antifreeze function



ART. 1820

Code	€	box	pack
1820		1	25

Thermostatic control head. Built-in sensor with liquid-filled element and swiveling adapter.

- temperature range: 7°÷28°C.



ART. 1834

Code	€	box	pack
1834		1	100

Antitampering protection for art. 1824. Complete with:

- Allen screw and nut
- Allen key



ART. 1832

Code	€	box
1832		1

THERMO-ELECTRIC HEADS

FAR thermo-electric heads are available in two versions: with auxiliary micro-switch (fig. B) or without (fig. A). These heads are activated or deactivated by a thermostat or a control unit. They are available in 'normally open' or 'normally closed' configurations with 24V or 230V voltage.



Art. 1909-1919-1929-1939



Art. 1914-1924-1913-1923


Art. 1941

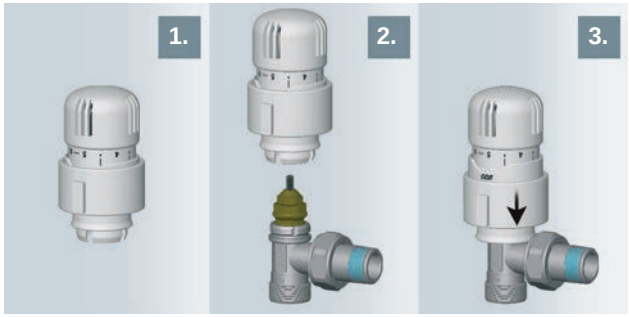
Once the handle and the plastic component have been removed, it is possible to install the thermo-electric head as follows:
1) screw the adapter (art. 1941) onto the valve body
2) assemble the thermo-electric head.





THERMOSTATIC HEADS

The FAR thermostatic head is provided with a liquid sensor, which detects temperature variations and opens or closes the valve accordingly. It has a regulation scale numbered from 1 to 5 for selecting the desired temperature. Once the handle and the plastic component have been removed, it is possible to install the thermostatic head as follows:

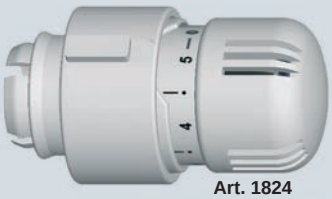


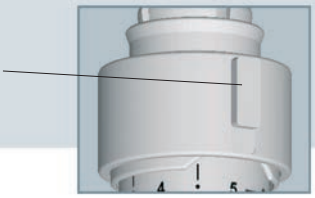
Max. differential pressure:	1 bar
Reference point:	3 = 20° C
Max. room temperature:	50° C
Temperature range:	7-28° C
Antifreeze operation:	7° C
Hysteresis:	0,35 k
Response time - point 6.4.1.13 EN215:	23 min

1. position the selector on 5
2. fix the head on the valve body in the appropriate grooves
3. press the locking ring towards the valve to complete installation

SELECTOR POSITION	CORRESPONDING TEMPERATURE IN °C
0	EXCLUDED RADIATOR
*	7
1	12
2	16
3	20
4	24
5	28

The temperature selector can be locked on a particular value by using the locking key.


Art. 1824





When installing thermostatic heads for use in systems serving public areas, an anti-tamper guard (art. 1832) is available.

To guarantee correct temperature sensing and regulation - even in situations where radiators are affected by other constraints within the room - FAR offers two other systems for detecting room temperature:


Art. 1800

Main features:
- Thermostatic head with liquid sensor
- Remote selector numbered from 1 to 5
- Length of capillary: 2 m
- Temperature range: 7° ÷ 28° C.

(Values for temperatures are standard on all thermostatic models - see listing in the table for art. 1824)


Art. 1810

Thermostatic head with sensor and graduated scale for selection of remote temperature value.

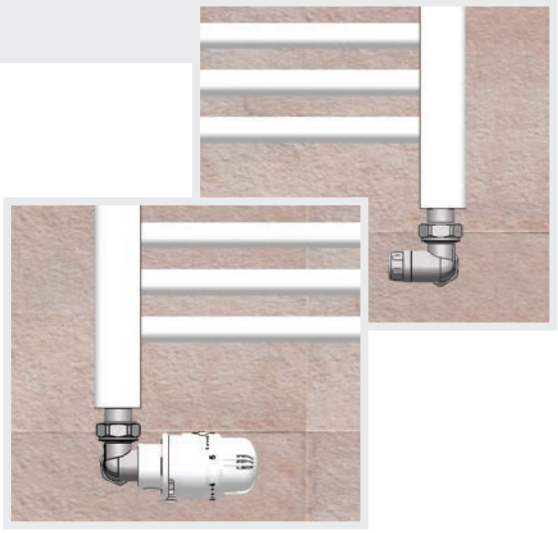
The sensor, which features a graduated temperature scale, is placed on the wall within 2m of the radiator. It should be located in an open area with no barriers to free movement of room air. This product is suitable for use with radiators located in recesses, concealed within decorative cabinets, or behind curtains of thick material where free circulation of room air is inhibited.

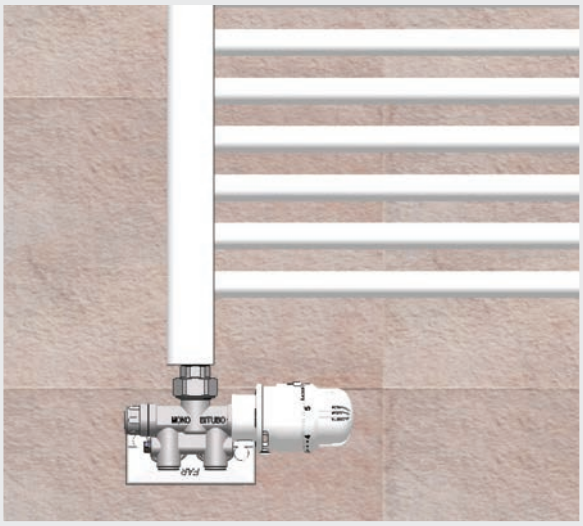
Thermostatic head and remote sensor.

The sensor is placed at a maximum distance of 2m, usually on the skirting board under the radiator, in such a way as to be in the airflow drawn across the radiator or convector as this will provide an average of the room air temperature of room air as a whole.

SPACE-SAVING RADIATOR VALVES AND LOCKSHIELD VALVES

FAR offers various smart solutions to adapt to the available space. In case of a designer radiator, angled valves and lockshield valves can be installed in order to make the most of the space. The valve must be installed on the delivery line to the radiator and has to be selected according to the desired handle position, considering the radiator front view. In the example picture you can see a right-angled valve (art.1671), so that the handle or the thermostatic head are oriented to the right, once the valve is installed on the radiator.



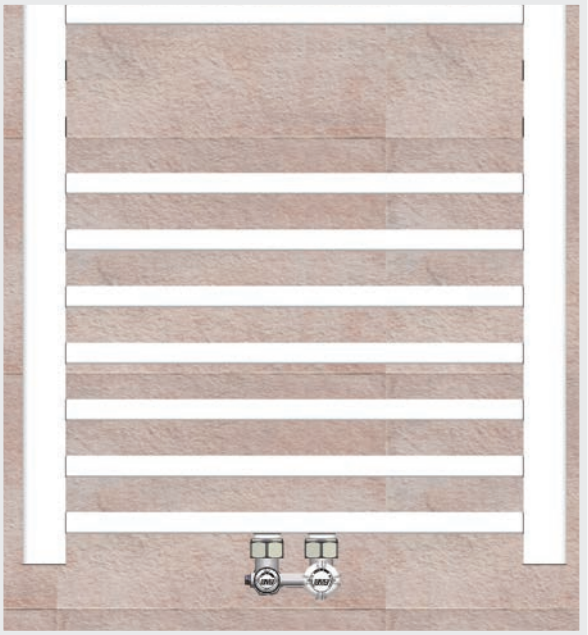


SINGLE-DOUBLE PIPE VALVES

In case the system requires the installation of a single-double pipe valve, FAR offers right-hand and left-hand angled valves with adjustable by-pass. The valve must be installed on one side of the radiator and has to be selected according to the desired handle position, considering the radiator front view. In the example picture you can see a right-hand valve (art.1436), so that the handle or the thermostatic head are oriented to the right, once the valve is installed on the radiator.

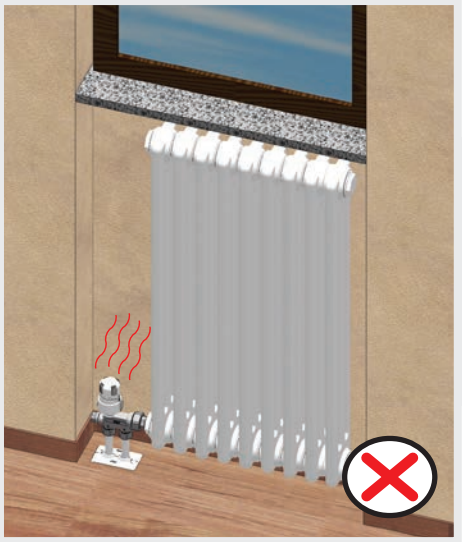
SINGLE-DOUBLE PIPE VALVES 50mm CENTRE DISTANCE

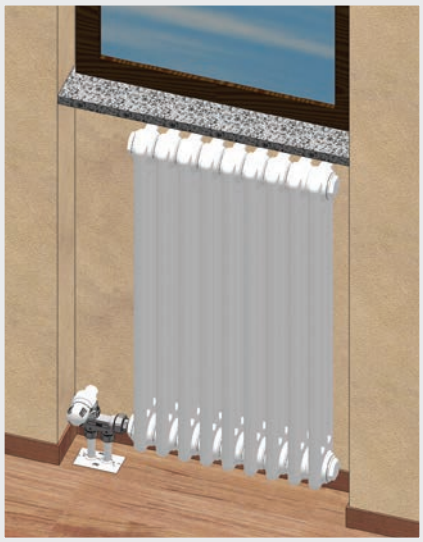
In case the radiator has connections with 50mm centre distance, a special single-double pipe angled valve with adjustable by-pass can be installed. Two types of adapters are available to connect the valve, according to the radiator connection. In the example picture you can see an angled valve (art.1482) with 24x19 FAR connection.



INSTALLATION ADVICE FOR A BETTER SENSITIVITY OF THE THERMOSTATIC SENSOR

In case of a single pipe valve with thermostatic head installed in a wall recess, the regulation could not be correct due to the sensor proximity to the heating body.

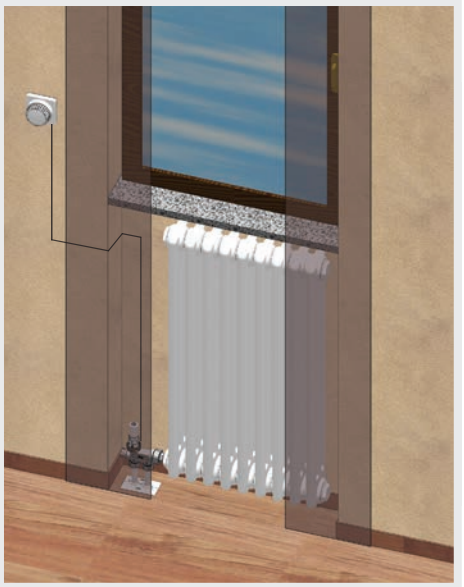






For a better regulation it is possible to install on the valve the thermostatic head with angled swiveling adapter (art.1834), which allows to direct the temperature sensor in order to improve the sensitivity. This adapter can be installed on any FAR thermostatic valve.

In case of any obstacles near the radiator (like curtains or other furnishing elements) it is necessary to install a thermostatic head with remote sensor (art.1800) in order to have a correct temperature detection and consequently an effective regulation.



Chrome-plated angled manual radiator valve.
- interchangeable sizes for copper, plastic and multilayer pipe
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1055 S2012

Code	size	€	box	pack
1055 38	3/8″		10	50
1055 12	1/2″		10	50



Chrome-plated angled lockshield valve.
- interchangeable sizes for copper, plastic and multilayer pipe
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1105 S2012

Code	size	€	box	pack
1105 38	3/8″		10	50
1105 12	1/2″		10	50

Chrome-plated straight manual radiator valve.
- interchangeable sizes for copper, plastic and multilayer pipe
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1255 S2012

Code	size	€	box	pack
1255 38	3/8″		10	50
1255 12	1/2″		10	50



Chrome-plated straight lockshield valve.
- interchangeable sizes for copper, plastic and multilayer pipe
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1305 S2012

Code	size	€	box	pack
1305 38	3/8″		10	50
1305 12	1/2″		10	50

Chrome-plated angled manual radiator valve.
- iron pipe connection
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1155 S2012

Code	size	€	box	pack
1155 38	3/8″		10	50
1155 12	1/2″		10	50
1155 34	3/4""		5	50



Chrome-plated angled lockshield valve.
- iron pipe connection
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1215 S2012

Code	size	€	box	pack
1215 38	3/8″		10	50
1215 12	1/2″		10	50
1215 34	3/4″		5	50

Chrome-plated straight manual radiator valve.
- iron pipe connection
- arm with sealing O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1355 S2012

Code	size	€	box	pack
1355 38	3/8″		10	50
1355 12	1/2″		10	50
1355 34	3/4″		5	50



Chrome-plated straight lockshield valve.
- iron pipe connection
- plastic covering cap
- sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket



ART. 1415 S2012

Code	size	€	box	pack
1415 38	3/8″		10	50
1415 12	1/2″		10	50
1415 34	3/4″		5	50

Chrome-plated angled manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1050



Code	size	€	box	pack
1050 38	3/8"		10	50
1050 12	1/2"		10	50

Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1100

Code	size	€	box	pack
1100 38	3/8"		10	50
1100 12	1/2"		10	50

Chrome-plated straight manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1250



Code	size	€	box	pack
1250 38	3/8"		10	50
1250 12	1/2"		10	50

Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1300

Code	size	€	box	pack
1300 38	3/8"		10	50
1300 12	1/2"		10	50

Chrome-plated angled manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1150



Code	size	€	box	pack
1150 38	3/8"		10	50
1150 12	1/2"		10	50
1150 34	3/4"		5	50
1150 1	1"		5	40

Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1200

Code	size	€	box	pack
1200 38	3/8"		10	50
1200 12	1/2"		10	50
1200 34	3/4"		5	50
1200 1	1"		5	40

Chrome-plated straight manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061

ART. 1350



Code	size	€	box	pack
1350 38	3/8"		10	50
1350 12	1/2"		10	50
1350 34	3/4"		5	50
1350 1	1"		5	40

Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with Loctite® Dri-Seal® 5061



ART. 1400

Code	size	€	box	pack
1400 38	3/8"		10	50
1400 12	1/2"		10	50
1400 34	3/4"		5	50
1400 1	1"		5	40

Chrome-plated angled manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1051



Code	size	€	box	pack
1051 38	3/8″		10	50
1051 12	1/2″		10	50

Chrome-plated angled lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1111



Code	size	€	box	pack
1111 38	3/8″		10	50
1111 12	1/2″		10	50

Chrome-plated straight manual radiator valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1251



Code	size	€	box	pack
1251 38	3/8″		10	50
1251 12	1/2″		10	50

Chrome-plated straight lockshield valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1311



Code	size	€	box	pack
1311 38	3/8″		10	50
1311 12	1/2″		10	50

Chrome-plated angled manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1151



Code	size	€	box	pack
1151 38	3/8″		10	50
1151 12	1/2″		10	50

Chrome-plated angled lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1211



Code	size	€	box	pack
1211 38	3/8″		10	50
1211 12	1/2″		10	50

Chrome-plated straight manual radiator valve.

- iron pipe connection
- handle with reinforced metal insert
- arm with double seal, O-ring and stuffing box
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1351



Code	size	€	box	pack
1351 38	3/8″		10	50
1351 12	1/2″		10	50

Chrome-plated straight lockshield valve.

- iron pipe connection
- brass covering cap
- double sealing O-ring on the arm
- metallic sealing lock and O-ring seal
- terminal provided with EPDM gasket

ART. 1411



Code	size	€	box	pack
1411 38	3/8″		10	50
1411 12	1/2″		10	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.
- connections: 3/4" EUROKONUS
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM
- Right version



ART. 1485

Code	outlets	€	box	pack
1485	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.
- connections: 3/4" EUROKONUS
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM
- Left version



ART. 1495

Code	outlets	€	box	pack
1495	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.
- connections: FAR 24x19
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM
- Right version



ART. 1486

Code	outlets	€	box	pack
1486	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.
- connections: FAR 24x19
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM
- Left version



ART. 1496

Code	outlets	€	box	pack
1496	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.
- connections: 3/4" EUROKONUS
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket
- Right version



ART. 1487

Code	outlets	€	box	pack
1487	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.
- connections: 3/4" EUROKONUS
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket
- Left version



ART. 1497

Code	outlets	€	box	pack
1497	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve.
- connections: FAR 24x19
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket
- Right version



ART. 1488

Code	outlets	€	box	pack
1488	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.
- connections: FAR 24x19
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket
- Left version



ART. 1498

Code	outlets	€	box	pack
1498	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: 3/4" EUROKONUS
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM



ART. 1489

Code	outlets	€	box	pack
1489	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: FAR 24x19
- for radiators with 3/4" male connection
- centre distance between ports: 50 mm
- flat gaskets in EPDM



ART. 1490

Code	outlets	€	box	pack
1490	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: 3/4" EUROKONUS
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket



ART. 1491

Code	outlets	€	box	pack
1491	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve.

- connections: FAR 24x19
- for radiators with 1/2" female connection
- centre distance between ports: 50 mm
- terminal provided with EPDM gasket



ART. 1492

Code	outlets	€	box	pack
1492	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1481

Code	outlets	€	box	pack
1481	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: FAR 24x19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1482

Code	outlets	€	box	pack
1482	24 x 19		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1483

Code	outlets	€	box	pack
1483	3/4" EUROKONUS		5	50

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: FAR 24x19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1484

Code	outlets	€	box	pack
1484	24 x 19		5	50

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 3/4" male connection.

ART. 6080



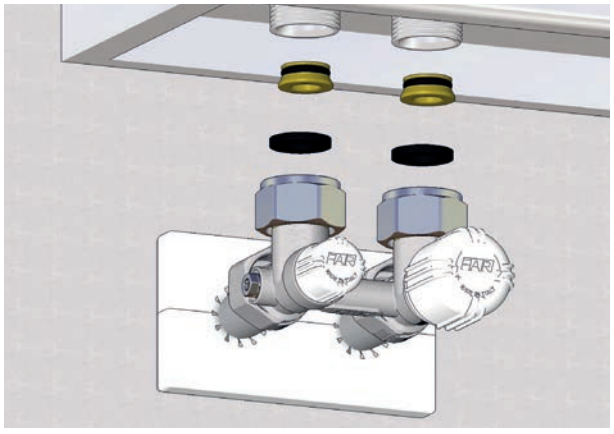
Code	€	box
6080		25

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 1/2" female connection.

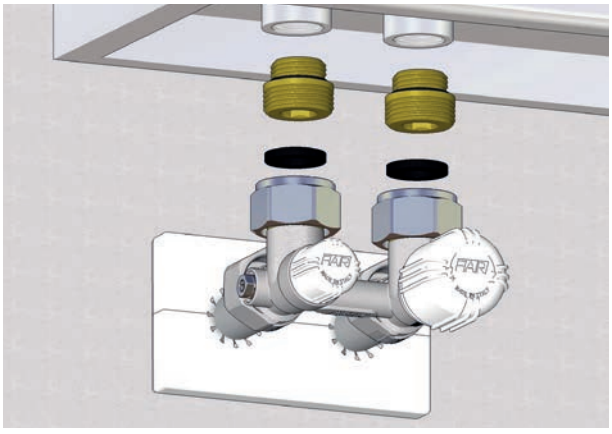
ART. 6081



Code	€	box
6081		25



Connection to panel radiator with 3/4" male EUROKONUS by means of adapters art. 6080.



Connection to panel radiator with 1/2" female by means of adapters art. 6081.

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1431

Code	€	box	pack
1431		10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, right-hand version. Without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1432

Code	€	box	pack
1432		10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, left-hand version. Without union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1433

Code	€	box	pack
1433		10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1438

Code	size	€	box	pack
1438 12	1/2″		5	40
1438 34	3/4″		5	40
1438 1D	1″		5	40
1438 1S	1″		5	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE straight valve complete with union and nut.

- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1435

Code	probe	size	€	box	pack
1435	Ø 10	1/2″		10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, right-hand version. Complete with union and nut.

- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1436

Code	probe	size	€	box	pack
1436	Ø 10	1/2″		10	40

Chrome-plated thermostatic SINGLE/DOUBLE PIPE angled valve, left-hand version. Complete with union and nut

- 450 mm ø 10 mm metal probe
- interchangeable sizes for copper, plastic and multilayer pipe
- central connection to the heating body
- centre distance between ports: 35 mm



ART. 1437

Code	probe	size	€	box	pack
1437	Ø 10	1/2″		10	40

Chrome-plated straight thermostatic SINGLE-PIPE valve **with adjustable centre distance**.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35-38 mm, 40-50 mm and 48-65 mm
- **Patent pending**

D = RIGHT connection
S = LEFT connection



ART. 1425

Code	probe	size	centre dist.	€	box	pack	
1425 1235	Ø 12	1/2"	35-38 mm		1	40	new
1425 1250	Ø 12	1/2"	40-50 mm		1	40	
1425 1265	Ø 12	1/2"	48-65 mm		1	40	
1425 3435	Ø 12	3/4"	35-38 mm		1	40	new
1425 3450	Ø 12	3/4"	40-50 mm		1	40	
1425 3465	Ø 12	3/4"	48-65 mm		1	40	
1425 135D	Ø 12	1"	35-38 mm		1	40	new
1425 135S	Ø 12	1"	35-38 mm		1	40	new
1425 150D	Ø 12	1"	40-50 mm		1	40	
1425 150S	Ø 12	1"	40-50 mm		1	40	
1425 165D	Ø 12	1"	48-65 mm		1	40	
1425 165S	Ø 12	1"	48-65 mm		1	40	

Chrome-plated angled thermostatic SINGLE-PIPE valve **with adjustable centre distance**.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35-38 mm, 40-50 mm and 48-65 mm
- **Patent pending**

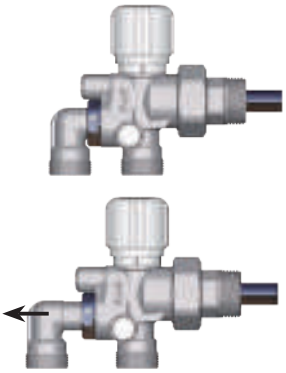
D = RIGHT connection
S = LEFT connection



ART. 1428

Code	probe	size	centre dist.	€	box	pack	
1428 1235	Ø 12	1/2"	35-38 mm		1	-	new
1428 1250	Ø 12	1/2"	40-50 mm		1	-	
1428 1265	Ø 12	1/2"	48-65 mm		1	-	
1428 3435	Ø 12	3/4"	35-38 mm		1	-	new
1428 3450	Ø 12	3/4"	40-50 mm		1	-	
1428 3465	Ø 12	3/4"	48-65 mm		1	-	
1428 135D	Ø 12	1"	35-38 mm		1	-	new
1428 135S	Ø 12	1"	35-38 mm		1	-	new
1428 150D	Ø 12	1"	40-50 mm		1	-	
1428 150S	Ø 12	1"	40-50 mm		1	-	
1428 165D	Ø 12	1"	48-65 mm		1	-	
1428 165S	Ø 12	1"	48-65 mm		1	-	

Single-double pipe thermostatic valves, Art.1425-1428, allow the distance between the flow and the return connections to be changed, depending on your system requirements
This type of valve provides manual or thermostatic regulation.

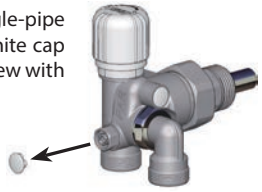


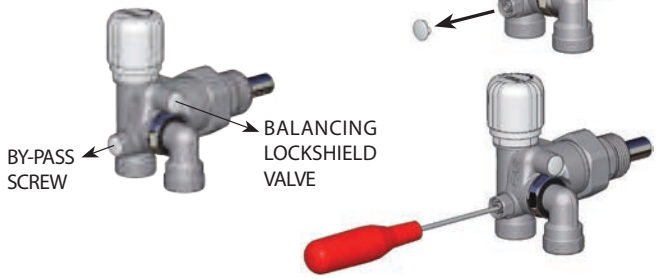
In order to change the distance between the flow and return, the regulating curve should be lengthened until it reaches the desired position. **There are two adjustment ranges: 35mm - 38mm, 40mm - 50mm or 48mm - 65mm**

CODE	SIZE	CENTRE DISTANCE MIN	MAX	CODE	SIZE	CENTRE DISTANCE MIN	MAX
1425 1238 - 1428 1238	1/2"	35mm	38mm	1425 138D* - 1428 138D*	1"	35mm	38mm
1425 1250 - 1428 1250	1/2"	40mm	50mm	1425 138S* - 1428 138S*	1"	35mm	38mm
1425 1265 - 1428 1265	1/2"	48mm	65mm	1425 150D* - 1428 150D*	1"	40mm	50mm
1425 3438 - 1428 3438	3/4"	35mm	38mm	1425 150S* - 1428 150S*	1"	40mm	50mm
1425 3450 - 1428 3450	3/4"	40mm	50mm	1425 165D* - 1428 165D*	1"	48mm	65mm
1425 3465 - 1428 3465	3/4"	48mm	65mm	1425 165S* - 1428 165S*	1"	48mm	65mm

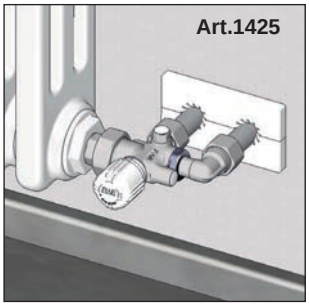
* D: right thread S: left thread

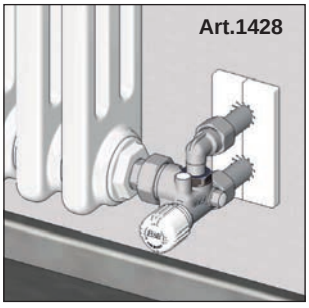
In order to change the configuration from single-pipe to double-pipe and vice versa, remove the white cap as shown in the figure and turn the by-pass screw with the aid of a screwdriver or an Allen key.





Installation example of thermostatic single/double-pipe valves with adjustable centre distance





Chrome-plated thermostatic SINGLE-PIPE valve complete with cover plate (Art. 6150).

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1420

Code	probe	size	€	box	pack
1420 12	Ø 12	1/2″		5	20
1420 34	Ø 12	3/4″		5	20
1420 1D	Ø 12	1″		5	20
1420 1S	Ø 12	1″		5	20

Chrome-plated thermostatic SINGLE-PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- reversible union for external probe
- input for heating fluid from above
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1442

Code	size	€	box	pack
1442 12	1/2″		5	-

Chrome-plated thermostatic DOUBLE-PIPE valve.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1430

ATTACCO 24x19 CONNECTION

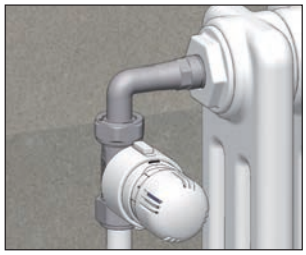
Code	probe	size	€	box	pack
1430 12	Ø 12	1/2″		5	20
1430 34	Ø 12	3/4″		5	20
1430 1D	Ø 12	1″		5	20
1430 1S	Ø 12	1″		5	20

INSTALLATION

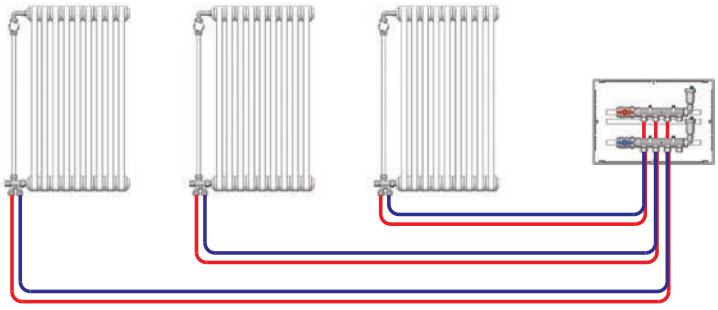
The circuit is characterized by having a supply and a return pipe for each radiator.

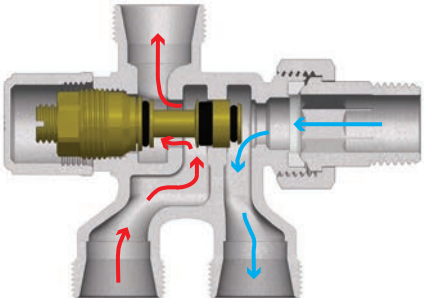
The example shows a circuit with three radiators with valves Art.1457 and distribution manifolds in box for supply and return.

Installation overview









The lockshield valve calibration, by means of a 5 Allen wrench or a screwdriver, allows the water flow to the radiator to be adjusted. The picture shows flow with valve open. By closing the lockshield valve there is no water passing inside the radiator.

Handle for opening and closing of water flow to radiator
(Possibility of installing the thermostatic control Art.1824)

Lockshield valve for circuit balancing



Chrome-plated manual MONOSTILE valve **for single-pipe systems**.
- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm

D = RIGHT connection
S = LEFT connection



ART. 1450

Code	probe	size	€	box	pack
1450 1212	Ø 12	1/2"		5	20
1450 3412	Ø 12	3/4"		5	20
1450 3414	Ø 14	3/4"		5	20
1450 114D	Ø 14	1"		5	20
1450 114S	Ø 14	1"		5	20

Chrome-plated manual MONOFAR valve **for single-pipe systems**.
- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1451

Code	probe	size	€	box	pack
1451 1212	Ø 12	1/2"		5	50
1451 3412	Ø 12	3/4"		5	50

Chrome-plated manual BITUBO valve **for double-pipe systems**.
- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1456

Code	size	€	box	pack
1456 1212	1/2"		5	50

Chrome-plated manual MONOTUBO valve **for single-pipe systems**.
- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- centre distance between ports: 35 mm



ART. 1455

Code	probe	size	€	box	pack
1455 1212	Ø 12	1/2"		5	50
1455 3412	Ø 12	3/4"		5	50

Chrome-plated manual MONOSTILE valve **for single-pipe systems**.
- interchangeable sizes for copper, plastic and multilayer pipe
- bent probe for panel radiators
- centre distance between ports: 35 mm



ART. 8050
- Single-panel bent probe.



ART. 8051
- Double-panel bent probe.



ART. 1500

Code	probe	size	€	box	pack
1500 121R	1 rank	1/2"		5	20
1500 122R	2 ranks	1/2"		5	20

Chrome-plated manual MONOSTILE valve **for single-pipe systems**.
- reversible union for external probe
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm



ART. 1462

Code	size	€	box	pack
1462 12	1/2"		5	40

Chrome-plated manual MONOSTILE valve **for single-pipe systems**.
- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1472

Code	size	€	box	pack
1472 12	1/2"		5	40

Chrome-plated manual MONOFAR valve **for single-pipe systems**.
- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1452

Code	size	€	box	pack
1452 12	1/2"		5	40

Chrome-plated manual valve **for single-pipe systems**.
- reversible union for external probe
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

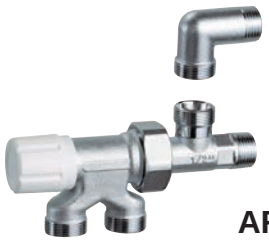


ART. 1463

Code	size	€	box	pack
1463 12	1/2"		5	40

Chrome-plated manual valve **for single-pipe systems**.
- reversible union for external probe
- chrome-plated male elbow
- interchangeable sizes for copper, plastic and multilayer pipe
- centre distance between ports: 35 mm

NB the connection probe must be purchased separately.



ART. 1473

Code	size	€	box	pack
1473 12	1/2"		5	40

Chrome-plated reversible union for MONOSTILE valve ART.1462-1472, with connection for external probe.



ART. 8335

Code	size	€	box
8335 12	1/2"		10

Chrome-plated reduced reversible union for MONOTUBO valve ART.1452-1463-1473, with connection for external probe.



ART. 8336

Code	size	€	box
8336 12	1/2"		10

Chrome-plated manual SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1421

Code	outlets	€	box	pack
1421	3/4" EUROKONUS		5	50

Chrome-plated manual SINGLE/DOUBLE PIPE angled valve for panel radiators.

- adjustable by-pass
- connections: FAR 24X19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1422

Code	outlets	€	box	pack
1422	24 x 19		5	50

Chrome-plated manual SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: 3/4" EUROKONUS
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1423

Code	outlets	€	box	pack
1423	3/4" EUROKONUS		5	50

Chrome-plated manual SINGLE/DOUBLE PIPE straight valve for panel radiators.

- adjustable by-pass
- connections: FAR 24X19
- centre distance between ports: 50 mm
- Flat gaskets in EPDM



ART. 1424

Code	outlets	€	box	pack
1424	24 x 19		5	50

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 3/4" male connection.



ART. 6080

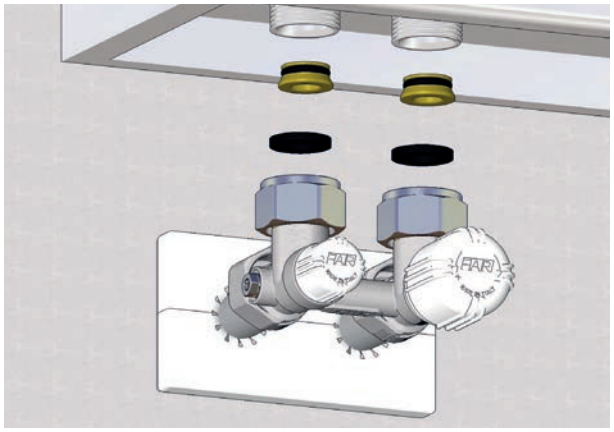
Code	€	box
6080		25

Sealing KIT complete with 2 adapters for ART. 1421-1422-1423-1424-1481-1482-1483-1484 for panel radiators with 1/2" female connection.

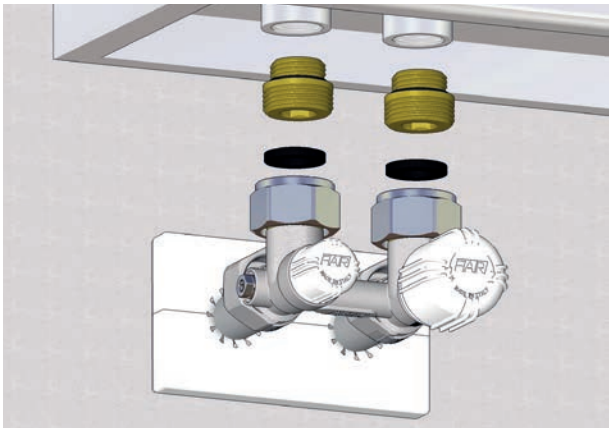


ART. 6081

Code	€	box
6081		25



Connection to panel radiator with 3/4" male EUROKONUS by means of adapters art. 6080.



Connection to panel radiator with 1/2" female by means of adapters art. 6081.

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variation of centre distance between ports.

- connections: FEMALE-MALE



ART. 5560

Code	centre dist.	size	€	box	pack
5560 138	cm. 1	3/8"x3/8"		25	250
5560 238	cm. 2	3/8"x3/8"		25	250
5560 338	cm. 3	3/8"x3/8"		25	250
5560 438	cm. 4	3/8"x3/8"		25	250
5560 538	cm. 5	3/8"x3/8"		25	250
5560 638	cm. 6	3/8"x3/8"		25	250

Code	centre dist.	size	€	box	pack
5560 112	cm. 1	1/2"x1/2"		25	250
5560 212	cm. 2	1/2"x1/2"		25	250
5560 312	cm. 3	1/2"x1/2"		25	250
5560 412	cm. 4	1/2"x1/2"		25	250
5560 512	cm. 5	1/2"x1/2"		25	250
5560 612	cm. 6	1/2"x1/2"		25	250
5560 134	cm. 1	3/4"x3/4"		10	300
5560 234	cm. 2	3/4"x3/4"		10	300
5560 334	cm. 3	3/4"x3/4"		10	160
5560 434	cm. 4	3/4"x3/4"		10	160
5560 534	cm. 5	3/4"x3/4"		10	160
5560 634	cm. 6	3/4"x3/4"		10	100

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variation of centre distance between ports.

- connections: MALE-MALE



ART. 5563

Code	centre dist.	size	€	box	pack
5563 13412	cm. 1	3/4"x1/2"		25	250
5563 23412	cm. 2	3/4"x1/2"		25	250
5563 33412	cm. 3	3/4"x1/2"		25	250
5563 43412	cm. 4	3/4"x1/2"		25	250
5563 53412	cm. 5	3/4"x1/2"		25	250
5563 63412	cm. 6	3/4"x1/2"		25	250

Brass plug for plant test.



ART. 1444

Code	€	box	pack
1444		50	-

Brass plug for plant test.

- Ø 22mm copper pipe



ART. 1446

Code	€	box	pack
1446 22		50	-

Brass external template without nuts for testing of SINGLE/DOUBLE PIPE systems.

- centre distance between ports: 35 mm



ART. 1445

Code	€	box	pack
1445		50	-

Fitting suitable for connection of a FAR 1/2" manual or thermostatic valve to a fancoil with 3/4" male eurokonus connection.

- M26x1.5 nut
- 3/4" nut
- O-Ring in EPDM-P
- CW617N forged brass

NB. Available on request with valve



ART. 8328

Code	size	€	box
8328 34	3/4"		1

Chrome-plated telescopic terminal.

- size: 3/8" - extension from 32mm to 55mm
- size: 1/2" - 3/4" - extension from 35mm to 60mm



ART. 8820

Code	size	€	box	pack
8820 38	3/8" 32-55 mm		10	-
8820 12	1/2" 35-60 mm		10	-
8820 34	3/4" 35-60 mm		10	-

Chrome-plated copper pipe complete with threaded fitting

- 1/2" male connection with EDPM gasket
- Copper pipe: Ø 15 mm



ART. 8875

Code	length	size	€	box	pack
8875 1210	100 mm	1/2"		20	-
8875 1220	200 mm	1/2"		20	-

Chrome-plated fitting, to change a 1/2" iron pipe connection to a Ø 15mm connection for copper pipe.

- Connection: 1/2" female
- Copper pipe: Ø 15 mm
- Length: 50 mm



ART. 8876

Code	length	size	€	box	pack
8876 1205	50 mm	1/2"		20	-

Plastic wall cover plate for valves and lockshield valves.

- Suitable for pipes from 10 to 20mm

Available in different finishes, on page 251



ART. 0441

Code	colour	finish	Ø	€	box	pack
0441 BL	white	glossy	10÷20		50	200

Plastic wall cover plate for valves and lockshield valves.



ART. 6200

Code	size	€	box	pack
6200 22	Ø 22			600

Double plastic wall cover plate for valves and lockshield valves.

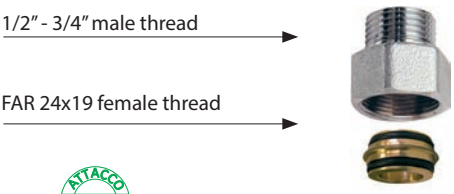
Available in different finishes, on page 251



ART. 6150

Code	colour	finish	Ø	centre dist.	€	box	pack
6150 35BL	white	glossy	10÷20	35mm		50	200
6150 50BL	white	glossy	10÷20	50mm		50	200

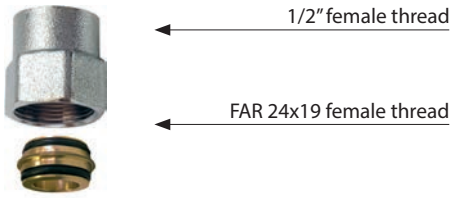
Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" - 3/4" male thread.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8865

Code	size	length/mm	€	box	pack
8865 3012	24x19 - 1/2" Flat faced	30		25	250
8865 3034	24x19 - 3/4" Flat faced	30		25	250
8865 3034EU	24x19 - 3/4" Eurokonus	30		25	250

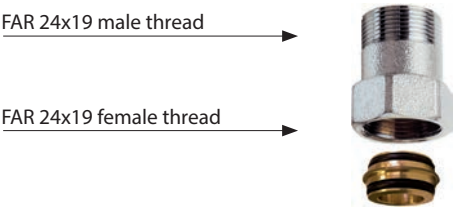
Chrome-plated reducer. Permits changing a FAR 24X19 male thread in a 1/2" female thread.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8870

Code	size	length/mm	€	box	pack
8870 30	24x19 - 1/2"	30		25	250

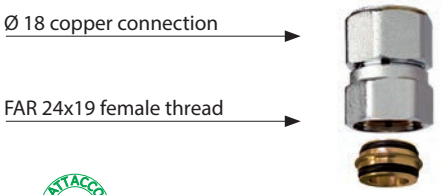
Chrome-plated straight extension.
- interchangeable sizes for copper, plastic and multilayer pipe
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	length/mm	€	box
8850 30	30		25
8850 35	35		25
8850 40	40		25

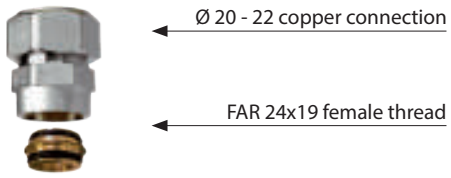
Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 18 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	size	length/mm	€	box	pack
8850 G1830	24x19 - Ø18	30		25	250
8850 G1835	24x19 - Ø18	35		25	250
8850 G1840	24x19 - Ø18	40		25	250

Chrome-plated straight extension. Permits changing a FAR 24x19 male thread in a Ø 20-22 connection for copper pipe.
- sealing metal gasket with double O-ring
- suitable only for FAR 24x19 male connections for Ø16mm pipes



ART. 8850

Code	size	length/mm	€	box	pack
8850 G2030	24x19 - Ø 20	30		10	250
8850 G2230	24x19 - Ø 22	30		10	250

Chrome-plated special elbow.
- interchangeable sizes for copper, plastic and multilayer pipe
- Ø 16 mm cylindrical part



ART. 8900

Code	length/mm	€	box
8900 35	30		25
8900 100	100		25

Chrome-plated special elbow.
- interchangeable sizes for copper, plastic and multilayer pipe
- complete with chrome-plated manual air vent valve
- Ø 16 mm cylindrical part



ART. 8901

Code	€	box
8901		25

Body replacement kit for thermostatic valves and TopFar valves, art. 1428 excluded.
Complete with:
- wrench to replace bodies
- no. 10 Spare O-rings for extractor
- no. 20 bodies for thermostatic valves



ART. 6002

Code	€	box	pack
6002		1	-

Insert for body replacement kit for thermostatic valves with presetting.

NB: **to use this insert, the key for replacing body on thermostatic valves (art.6002) is required**



ART. 6003

Code	€	box	pack
6003		1	-

Spare O-ring.
- 8350 1877 for Art 6002
- 8350 192 for Art 6002



ART. 8350

Code	size	€	box
8350 1877	18,77x1,78		10
8350 192	19x2		10

Brass body for thermostatic valves.



ART. 9000

Code	€	box
9000		10

Brass body for thermostatic SINGLE/DOUBLE PIPE valves with adjustable centre distance between ports (ART. 1425).



ART. 9009

Code	€	box
9009		10

Brass body for thermostatic valves with presetting.



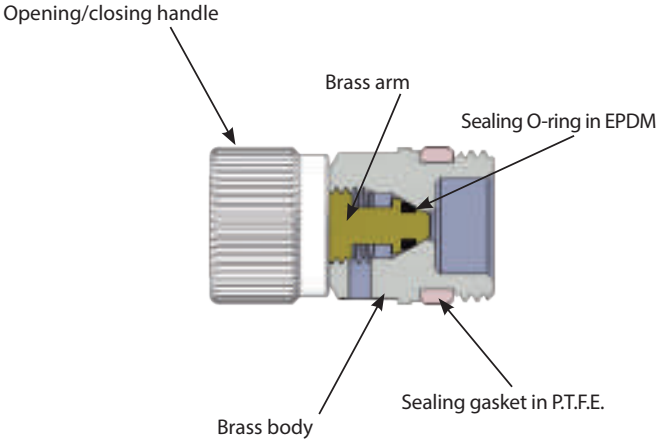
ART. 9006

Code	€	box
9006		10

Manual air vent valve.

- Plastic handle
- Sealing O-ring on the arm
- Gasket in PTFE for high temperature
- Nominal pressure: 10 bar
- Max. working temperature: 95°C





ART. 6135

Code	size	€	box	pack
6135 18	1/8″		50	500
6135 14	1/4″		50	500
6135 38	3/8″		50	500
6135 12	1/2″		50	500

Adjustable drain valve with hose connection.



ART. 6017

Code	size	€	box	pack
6017 12	1/2"		1	-

Chrome-plated manual air vent valve with swiveling purge, hose and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6015

Code	size	€	box	pack
6015 14	1/4″		50	500
6015 38	3/8″		50	500
6015 12	1/2″		50	500

Chrome-plated swiveling manual vent valve complete with square head and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6010

Code	size	€	box
6010 12	1/2″		25

Key with square head for vent valves ART. 6010-6020.



ART. 6300

Code	size	€	box
6300	å 5		1

Chrome-plated manual air vent valve with swiveling purge. Opening handle with square head and sealing O-Ring.

- Nominal pressure: 10 bar
- Max. working temperature: 80°C



ART. 6020

Code	size	€	box
6020 38	3/8″		40
6020 12	1/2″		40

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25		50	250
6052 48186	plastic	12x2,15		50	250
6052 4847	plastic	12x2		50	250
6052 48184	plastic	12x1,5		50	250
6052 481005	plastic	12x1,35		50	250
6052 9761005	plastic	12,7x1,7		50	250
6052 976186	plastic	12,7x2,4		50	250
6052 6563	plastic	14x1,5		50	250
6052 6545	plastic	14x2		50	250
6052 4645	plastic	15x2,5		50	250
6052 4663	plastic	15x2		50	250
6052 46173	plastic	15x1,7		50	250
6052 4661	plastic	15x1,5		50	250
6052 5863	plastic	16x2,5		50	250
6052 58173	plastic	16x2,2		50	250
6052 5861	plastic	16x2		50	250
6052 58262	plastic	16x1,8		50	250
6052 5864	plastic	16x1,5		50	250
6052 58180	plastic	16x2,7		50	250
6052 15061	plastic	16,8x2,4		50	250
6052 150829	plastic	17x2,25		50	250
6052 15043	plastic	17x2		50	250
6052 6043	plastic	17,8x2,4		50	250
6052 60180	plastic	17,8x3,6		50	250
6052 4443	plastic	18x2,5		50	250
6052 44221	plastic	18x2,2		50	250
6052 4468	plastic	18x2		50	250
6052 8043	plastic	20x3,5		50	250
6052 8068	plastic	20x3		50	250
6052 80185	plastic	20x2,8		50	250
6052 80222	plastic	20x2,3		50	250
6052 8069	plastic	20x2,15		50	250
6052 80214	plastic	20x2		50	250
6052 80261	plastic	20x1,9		50	500

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connection.
Complete with:
- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5		50	250
6055 481156	multilayer	12x1,6		50	250
6055 48901	multilayer	12x1,8		50	250
6055 65193	multilayer	14x2		50	250
6055 46193	multilayer	15x2,5		50	250
6055 58190	multilayer	16x2		50	250
6055 58200	multilayer	16x2,25		50	250
6055 58278	multilayer	16,2x2,6		50	250
6055 150200	multilayer	16,8x2,5		50	250
6055 150810	multilayer	17x2		50	250
6055 44191	multilayer	18x2		50	250
6055 80204	multilayer	20x2		50	250
6055 80192	multilayer	20x2,25		50	250
6055 80201	multilayer	20x2,5		50	250
6055 80191	multilayer	20x2,9		50	250

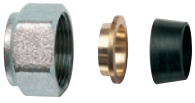
Sealing compression KIT in rubber for copper pipe.
Complete with:
- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut 24x19 thread



ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10		100	500
8427 12	copper	Ø 12		100	500
8427 14	copper	Ø 14		100	500

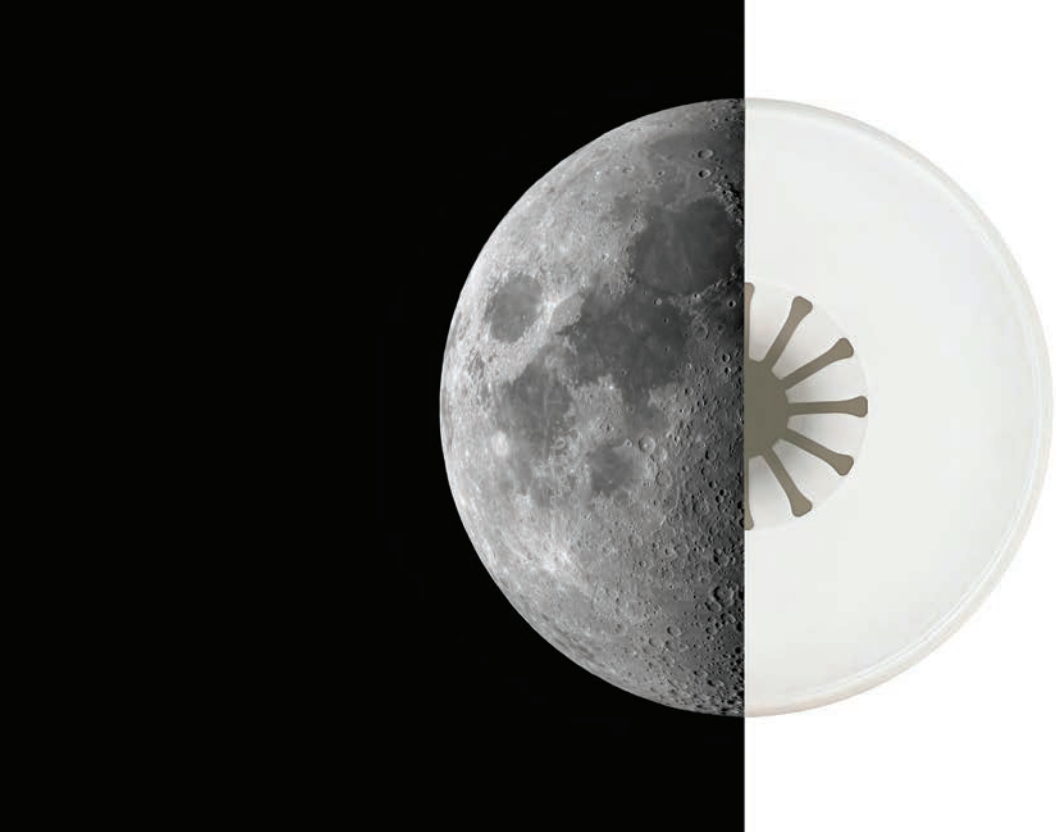
Sealing compression KIT in rubber for copper pipe.
Complete with:
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15		100	500
8429 16	copper	Ø 16		100	500

Code	Description	size	gasket	€	box	pack
1610 38G18	ANGLED THERMOSTATIC VALVE	3/8"x18	Rubber		10	50
1610 12G18	ANGLED THERMOSTATIC VALVE	1/2"x18	Rubber		10	50
1630 38G18	STRAIGHT THERMOSTATIC VALVE	3/8"x18	Rubber		10	50
1630 12G18	STRAIGHT THERMOSTATIC VALVE	1/2"x18	Rubber		10	50
1050 38G18	ANGLED VALVE	3/8"x18	Rubber		10	50
1050 12G18	ANGLED VALVE	1/2"x18	Rubber		10	50
1100 38G18	ANGLED LOCKSHIELD VALVE	3/8"x18	Rubber		10	50
1100 12G18	ANGLED LOCKSHIELD VALVE	1/2"x18	Rubber		10	50
1250 38G18	STRAIGHT VALVE	3/8"x18	Rubber		10	50
1250 12G18	STRAIGHT VALVE	1/2"x18	Rubber		10	50
1300 38G18	STRAIGHT LOCKSHIELD VALVE	3/8"x18	Rubber		10	50
1300 12G18	STRAIGHT LOCKSHIELD VALVE	1/2"x18	Rubber		10	50
1420 12G18	SINGLE-PIPE THERMOSTATIC VALVE	1/2"x18	Rubber		13	26
1420 34G18	SINGLE-PIPE THERMOSTATIC VALVE	3/4"x18	Rubber		13	26
1430 12G18	DOUBLE-PIPE THERMOSTATIC VALVE	1/2"x18	Rubber		13	26
1430 34G18	DOUBLE-PIPE THERMOSTATIC VALVE	3/4"x18	Rubber		13	26
1425 1250G18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber		1	-
1425 1265G18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber		1	-
1425 3450G18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber		1	-
1425 3465G18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber		1	-
1425 150DG18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1425 150SG18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1425 165DG18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1425 165SG18	STRAIGHT THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1428 1250G18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber		1	-
1428 1265G18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1/2"x18	Rubber		1	-
1428 150DG18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1428 150SG18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1428 165DG18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1428 165SG18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	1"x18	Rubber		1	-
1428 3450G18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 40-50 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber		1	-
1428 3465G18	ANGLED THERMOSTATIC SINGLE-PIPE VALVE, 48-65 mm ADJUSTABLE CENTRE DISTANCE	3/4"x18	Rubber		1	-
1450 1212G18	"MONOSTILE" VALVE WITH Ø12 METAL PROBE	1/2"x18	Rubber		13	26
1450 3412G18	"MONOSTILE" VALVE WITH Ø12 METAL PROBE	3/4"x18	Rubber		13	26
1450 3414G18	"MONOSTILE" VALVE WITH Ø14 METAL PROBE	3/4"x18	Rubber		13	26
1450 114DG18	"MONOSTILE" VALVE WITH RIGHT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber		13	26
1450 114SG18	"MONOSTILE" VALVE WITH LEFT CONNECTION AND Ø14 METAL PROBE	1"x18	Rubber		13	26
1455 1212G18	"MONOTUBO" VALVE WITH Ø12 METAL PROBE	1/2"x18	Rubber		5	40
1455 3412G18	"MONOTUBO" VALVE WITH Ø12 METAL PROBE	3/4"x18	Rubber		5	40
1500 121RG18	"MONOSTILE" VALVE WITH ONE-RANK BENT ANGLED PROBE FOR PANEL RADIATORS	1/2"x18	Rubber		13	26
1500 122RG18	"MONOSTILE" VALVE WITH TWO-RANK BENT ANGLED PROBE FOR PANEL RADIATORS	1/2"x18	Rubber		13	26
1462 12G18	"MONOSTILE" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE	1/2"x18	Rubber		5	40
1472 12G18	"MONOSTILE" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE COMPLETE WITH ELBOW	1/2"x18	Rubber		5	40
1463 12G18	"MONOTUBO" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE	1/2"x18	Rubber		5	40
1473 12G18	"MONOTUBO" VALVE WITH REVERSIBLE UNION FOR EXTERNAL PROBE COMPLETE WITH ELBOW	1/2"x18	Rubber		5	40
8900 35G18	SPECIAL ELBOW	(24x19)x18	Rubber		25	-



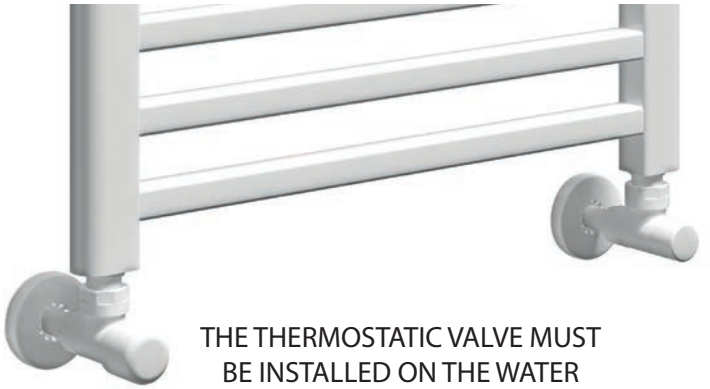
Valves and spare parts for designer radiators 08

TopFAR thermostatic valves and lockshield valves	235
TopFAR thermostatic single/double pipe valves	245
TopFAR thermostatic single pipe valves	250
Accessories and spare parts for designer radiators	251
Adapters and sealing kit	253



TOPFAR KIT complete with:
- angled thermostatic valve complete with nut
- angled lockshield valve complete with nut
- no. 2 plastic wall covering plates
- no. 2 sealing compression KITS in rubber for Ø 10 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 12 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 14 copper pipe
- no. 2 adapters for Ø 16x2 MULTILAYER pipe

Valve and lockshield valve complete with:
- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket

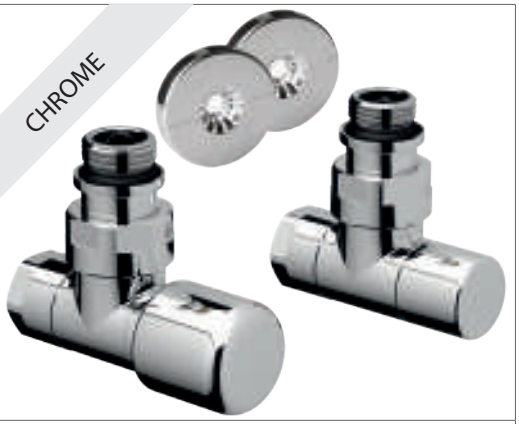


THE THERMOSTATIC VALVE MUST BE INSTALLED ON THE WATER INLET SIDE

Top FAR ATTACCO 24x19 CONNECTION

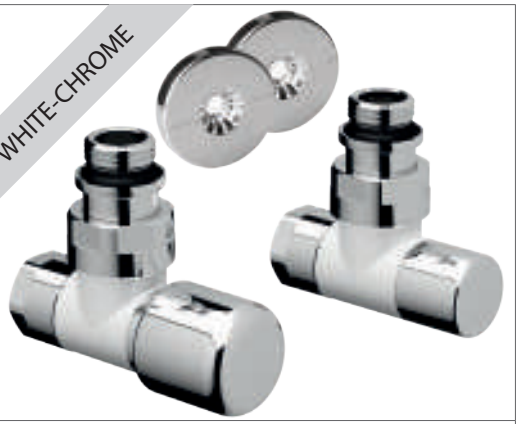
Code	colour	finish	size	€	box
0158 12CL	chrome	glossy	1/2"		1
0158 12BC	white-chrome	glossy	1/2"		1
0158 12BL	white	glossy	1/2"		1
0158 12NO	black	matt	1/2"		1
0158 12BO	white	matt	1/2"		1

CHROME



ART. 0158CL

WHITE-CHROME



ART. 0158BC

GLOSSY WHITE



ART. 0158BL

MATT BLACK



ART. 0158NO

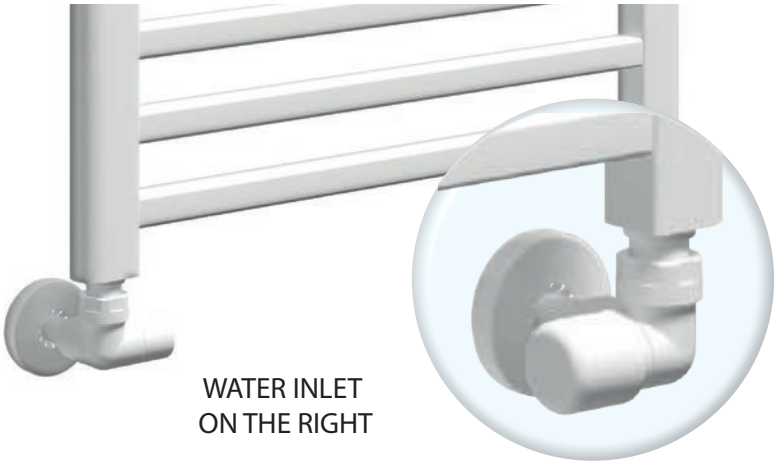
MATT WHITE



ART. 0158BO

TOPFAR KIT WITH WATER INLET ON THE RIGHT complete with :
- thermostatic valve, left-angled version, complete with nut
- lockshield valve, right-angled, complete with nut
- no. 2 plastic wall covering plates
- no. 2 sealing compression KITS in rubber for Ø 10 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 12 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 14 copper pipe
- no. 2 adapters for Ø 16x2 MULTILAYER pipe

Valve and lockshield valve complete with:
- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket



Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0156 12CL	chrome	glossy	1/2"		1
0156 12BC	white-chrome	glossy	1/2"		1
0156 12BL	white	glossy	1/2"		1
0156 12NO	black	matt	1/2"		1
0156 12BO	white	matt	1/2"		1



ART. 0156CL



ART. 0156BC



ART. 0156BL



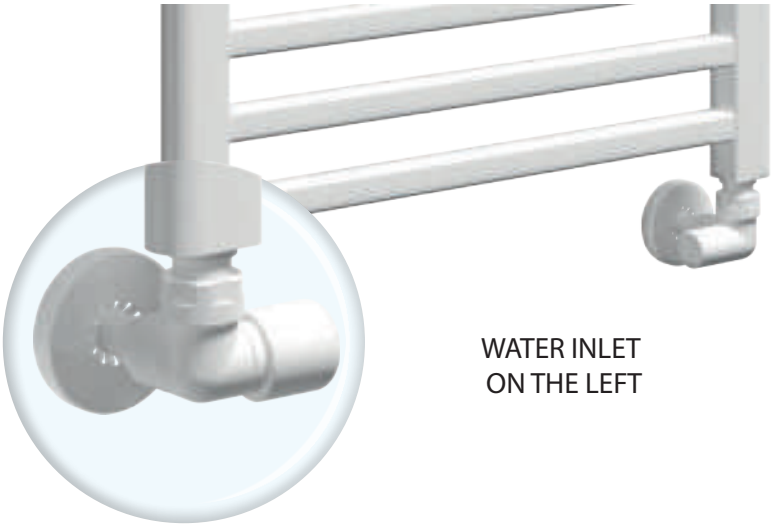
ART. 0156NO



ART. 0156BO

TOPFAR KIT WITH WATER INLET ON THE LEFT complete with:
- thermostatic valve, right-angled version, complete with nut
- lockshield valve, left-angled, complete with nut
- no. 2 plastic wall covering plates
- no. 2 sealing compression KITS in rubber for Ø 10 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 12 copper pipe
- no. 2 sealing compression KITS in rubber for Ø 14 copper pipe
- no. 2 adapters for Ø 16x2 MULTILAYER pipe

Valve and lockshield valve complete with:
- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket



WATER INLET
ON THE LEFT



ART. 0157CL



ART. 0157BC



ART. 0157BL

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0157 12CL	chrome	glossy	1/2"		1
0157 12BC	white-chrome	glossy	1/2"		1
0157 12BL	white	glossy	1/2"		1
0157 12NO	black	matt	1/2"		1
0157 12BO	white	matt	1/2"		1



ART. 0157NO



ART. 0157BO

Thermostatic valve complete with nut, left-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0101



ART. 0111



ART. 0161



ART. 0151



ART. 0153

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0101 38P	chrome	glossy	3/8″		1
0101 12P	chrome	glossy	1/2″		1
0111 38P	white-chrome	glossy	3/8″		1
0111 12P	white-chrome	glossy	1/2″		1
0161 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0151 12P	black	matt	1/2″		1
0153 12P	white	matt	1/2″		1

Lockshield valve complete with nut, right-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0122



ART. 0132



ART. 0179



ART. 0172



ART. 0174

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0122 38P	chrome	glossy	3/8″		1
0122 12P	chrome	glossy	1/2″		1
0132 38P	white-chrome	glossy	3/8″		1
0132 12P	white-chrome	glossy	1/2″		1
0179 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0172 12P	black	matt	1/2″		1
0174 12P	white	matt	1/2″		1

Thermostatic valve complete with nut, right-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0102



ART. 0112



ART. 0162



ART. 0152



ART. 0154

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0102 38P	chrome	glossy	3/8″		1
0102 12P	chrome	glossy	1/2″		1
0112 38P	white-chrome	glossy	3/8″		1
0112 12P	white-chrome	glossy	1/2″		1
0162 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0152 12P	black	matt	1/2″		1
0154 12P	white	matt	1/2″		1

Lockshield valve complete with nut, left-angled version.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0121



ART. 0131



ART. 0178



ART. 0171



ART. 0173

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0121 38P	chrome	glossy	3/8″		1
0121 12P	chrome	glossy	1/2″		1
0131 38P	white-chrome	glossy	3/8″		1
0131 12P	white-chrome	glossy	1/2″		1
0178 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0171 12P	black	matt	1/2"		1
0173 12P	white	matt	1/2″		1

Thermostatic valve, left-angled version.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0103



ART. 0113

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0103 38P	chrome	glossy	3/8"		1
0103 12P	chrome	glossy	1/2"		1
0113 38P	white-chrome	glossy	3/8"		1
0113 12P	white-chrome	glossy	1/2"		1

Lockshield valve, right-angled version.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0124



ART. 0134

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0124 38P	chrome	glossy	3/8"		1
0124 12P	chrome	glossy	1/2"		1
0134 38P	white-chrome	glossy	3/8"		1
0134 12P	white-chrome	glossy	1/2"		1

Thermostatic valve, right-angled version.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0104



ART. 0114

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0104 38P	chrome	glossy	3/8"		1
0104 12P	chrome	glossy	1/2"		1
0114 38P	white-chrome	glossy	3/8"		1
0114 12P	white-chrome	glossy	1/2"		1

Lockshield valve, left-angled version.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0123



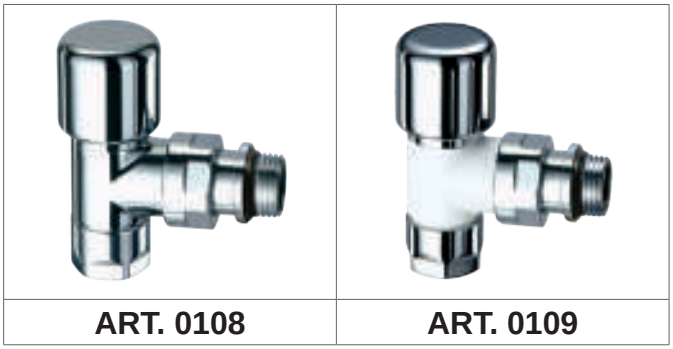
ART. 0133

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0123 38P	chrome	glossy	3/8"		1
0123 12P	chrome	glossy	1/2"		1
0133 38P	white-chrome	glossy	3/8"		1
0133 12P	white-chrome	glossy	1/2"		1

Thermostatic angled valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0108 | **ART. 0109**



ART. 0159 | **ART. 0143** | **ART. 0144**

Top FAR ATTACCO 24x19 CONNECTION

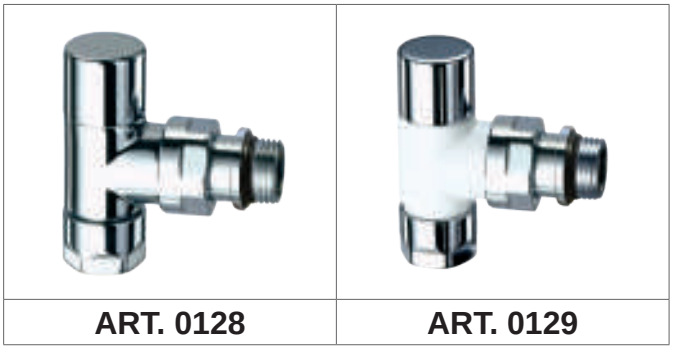
Code	colour	finish	size	€	box
0108 38P	chrome	glossy	3/8″		1
0108 12P	chrome	glossy	1/2″		1
0109 38P	white-chrome	glossy	3/8″		1
0109 12P	white-chrome	glossy	1/2″		1
0159 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0143 12P	black	matt	1/2″		1
0144 12P	white	matt	1/2″		1

Angled lockshield valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0128 | **ART. 0129**



ART. 0177 | **ART. 0163** | **ART. 0164**

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0128 38P	chrome	glossy	3/8″		1
0128 12P	chrome	glossy	1/2″		1
0129 38P	white-chrome	glossy	3/8″		1
0129 12P	white-chrome	glossy	1/2″		1
0177 12P	white	glossy	1/2″		1

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box
0163 12P	black	matt	1/2″		1
0164 12P	white	matt	1/2″		1

Thermostatic angled valve.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0148 | **ART. 0149**

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0148 38P	chrome	glossy	3/8″		1
0148 12P	chrome	glossy	1/2″		1
0149 38P	white-chrome	glossy	3/8″		1
0149 12P	white-chrome	glossy	1/2″		1

Angled lockshield valve.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0168 | **ART. 0169**

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0168 38P	chrome	glossy	3/8″		1
0168 12P	chrome	glossy	1/2″		1
0169 38P	white-chrome	glossy	3/8″		1
0169 12P	white-chrome	glossy	1/2″		1

INSTALLATION OVERVIEW



Thermostatic straight valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0181



ART. 0182



ART. 0181BO



ART. 0181NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	size	€	box	
0181 12P	chrome	glossy	1/2″		1	
0182 12P	white-chrome	glossy	1/2″		1	
0181 12BO	white	matt	1/2″		1	new
0181 12NO	black	matt	1/2″		1	new

Straight lockshield valve complete with nut.

- Interchangeable sizes for copper, plastic and multilayer pipe
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0186



ART. 0187



ART. 0186BO



ART. 0186NO

Top FAR ATTACCO 24x19 CONNECTION

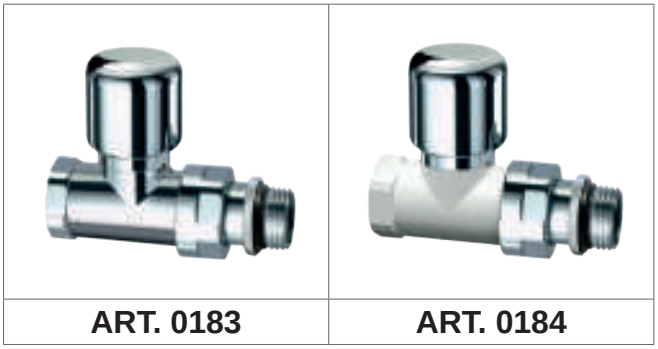
Code	colour	finish	size	€	box	
0186 12P	chrome	glossy	1/2″		1	
0187 12P	white-chrome	glossy	1/2″		1	
0186 12BO	white	matt	1/2″		1	new
0186 12NO	black	matt	1/2″		1	new

Thermostatic straight valve.

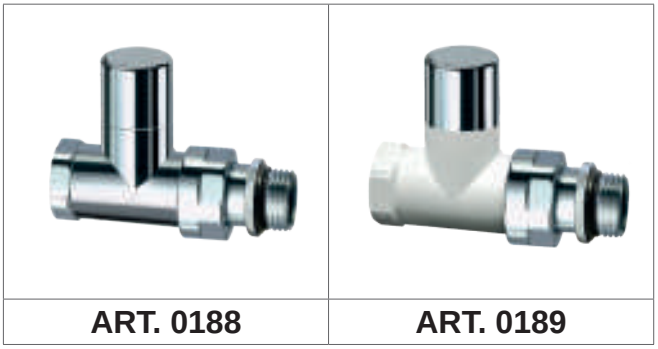
- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection

Straight lockshield valve.

- Iron pipe connection
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0183 | **ART. 0184**



ART. 0188 | **ART. 0189**

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0183 12P	chrome	glossy	1/2″		1
0184 12P	white-chrome	glossy	1/2″		1

Top FAR ATTACCO TUBO FERRO IRON PIPE CONNECTION

Code	colour	finish	size	€	box
0188 12P	chrome	glossy	1/2″		1
0189 12P	white-chrome	glossy	1/2″		1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection



ART. 0261



ART. 0261BO



ART. 0261NO

Top FAR ATTACCO EUROKONUS CONNECTION

	Code	colour	finish	outlets	€	box
	0261	chrome	glossy	3/4" EUROKONUS		1
new	0261 BO	white	matt	3/4" EUROKONUS		1
new	0261 NO	black	matt	3/4" EUROKONUS		1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection



ART. 0266



ART. 0266BO



ART. 0266NO

Top FAR ATTACCO EUROKONUS CONNECTION

	Code	colour	finish	outlets	€	box
	0266	chrome	glossy	3/4" EUROKONUS		1
new	0266 BO	white	matt	3/4" EUROKONUS		1
new	0266 NO	black	matt	3/4" EUROKONUS		1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24x19
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection
- Ø 16 mm nut



ART. 0262



ART. 0262BO



ART. 0262NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	outlets	€	box
0262	chrome	glossy	24 x 19		1
0262 BO	white	matt	24 x 19		1
0262 NO	black	matt	24 x 19		1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24x19
- For radiators with 3/4" male connection
- Centre distance between ports: 50 mm
- EPDM flat faced gaskets
- Individual box with protection
- Ø 16 mm nut



ART. 0267



ART. 0267BO



ART. 0267NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	outlets	€	box
0267	chrome	glossy	24 x 19		1
0267 BO	white	matt	24 x 19		1
0267 NO	black	matt	24 x 19		1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0263

Top FAR ATTACCO EUROKONUS CONNECTION

Code	colour	finish	outlets	€	box
0263	chrome	glossy	3/4" EUROKONUS		1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: 3/4" EUROKONUS
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection



ART. 0268

Top FAR ATTACCO EUROKONUS CONNECTION

Code	colour	finish	outlets	€	box
0268	chrome	glossy	3/4" EUROKONUS		1

Thermostatic straight SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24x19
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0269

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	outlets	€	box
0269	chrome	glossy	24 x 19		1

Thermostatic angled SINGLE/DOUBLE PIPE valve.

- Connections: FAR 24x19
- For radiators with 1/2" female connection
- Centre distance between ports: 50 mm
- Terminal provided with EPDM gasket
- Individual box with protection
- Ø 16 mm nut



ART. 0264



ART. 0264BO



ART. 0264NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	outlets	€	box
0264	chrome	glossy	24 x 19		1
0264 BO	white	matt	24 x 19		1
0264 NO	black	matt	24 x 19		1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, right-angled version, complete with union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



ART. 0286



ART. 0286BO



ART. 0286NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	probe	size	€	box
0286	chrome	glossy	Ø 10	1/2"		1
0286 BO	white	matt	Ø 10	1/2"		1
0286 NO	black	matt	Ø 10	1/2"		1

Chrome-plated thermostatic SINGLE/DOUBLE PIPE valve, left-angled version, complete with union and nut.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 10 mm metal probe
- Central connection on the heating body
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut

		
ART. 0288	**ART. 0288BO**	**ART. 0288NO**

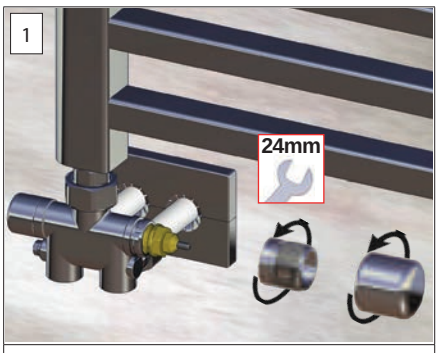
Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	probe	size	€	box
0288	chrome	glossy	Ø 10	1/2"		1
0288 BO	white	matt	Ø 10	1/2"		1
0288 NO	black	matt	Ø 10	1/2"		1

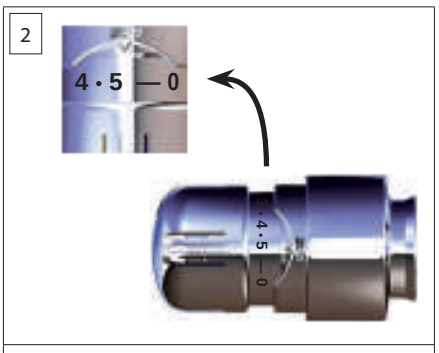
OPERATION AND INSTALLATION EXAMPLES



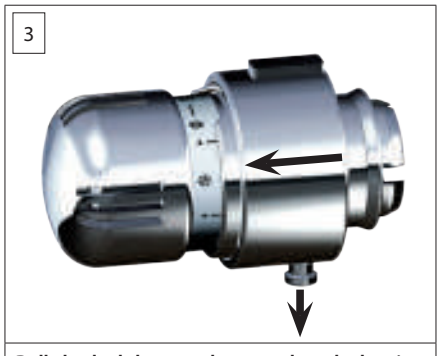
Installation example of valve art. 0286 with thermostatic control art. 1827



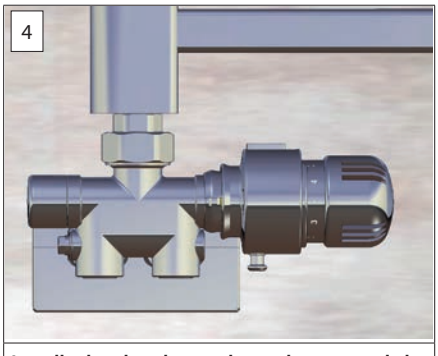
Unscrew the handle and the threaded support from the valve, using a 24mm wrench



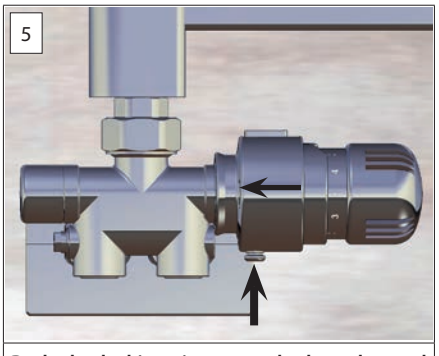
Set the thermostatic control on value 5



Pull the lock button down and push the ring towards the selector



Install the head on the valve control by matching the joints



Push the locking ring towards the valve and press the lock button

Thermostatic SINGLE PIPE valve complete with nut and union.

- interchangeable sizes for copper, plastic and multilayer pipe
- 450 mm ø 12 mm metal probe
- Centre distance between ports: 35 mm
- Individual box with protection
- Ø 16 mm nut



ART. 0265



ART. 0265BO



ART. 0265NO

Top FAR ATTACCO 24x19 CONNECTION

Code	colour	finish	probe	size	€	box
0265 12	chrome	glossy	Ø 12	1/2"		1
0265 34	chrome	glossy	Ø 12	3/4"		1
0265 12BO	white	matt	Ø 12	1/2"		1
0265 34BO	white	matt	Ø 12	3/4"		1
0265 12NO	black	matt	Ø 12	1/2"		1
0265 34NO	black	matt	Ø 12	3/4"		1

Angled automatic air vent valve.

- Float: PP
- Individual box with protection



ART. 0305

Code	colour	finish	size	€	box
0305 12	white	glossy	1/2"		1

Straight automatic air vent valve.

- Float: PP
- Individual box with protection



ART. 0306

Code	colour	finish	size	€	box
0306 12	white	glossy	1/2"		1

Thermostatic control head. Built-in sensor with liquid-filled element.

- Temperature range: 7°÷28° C.
- Provided with regulation scale numbered from 1 to 5, to set the desired temperature.



ART. 1821	ART. 1822	ART. 1823	ART. 1824	ART. 1827

Code	colour	finish	€	box	pack
1821	white	matt		1	100
1822	black	matt		1	100
1823	black	glossy		1	100

Code	colour	finish	€	box	pack
1824	white	glossy		1	100
1827	chrome	glossy		1	100

Plastic wall cover plate for TopFAR valves and lockshield valves.

- Suitable for pipes from 10 to 20mm



ART. 0441

Code	colour	finish	Ø	€	box
0441 BO	white	matt	10÷20		10
0441 NO	black	matt	10÷20		10
0441 NL	black	glossy	10÷20		10
0441 BL	white	glossy	10÷20		50
0441 CL	chrome	glossy	10÷20		10

Plastic wall cover plate for TopFAR SINGLE/DOUBLE pipe valves.

- Suitable for pipes from 10 to 20mm



ART. 6150

Code	colour	finish	Ø	centre dist.	€	box
6150 35BO	white	matt	10÷20	35mm		10
6150 35NO	black	matt	10÷20	35mm		10
6150 35NL	black	glossy	10÷20	35mm		50
6150 35BL	white	glossy	10÷20	35mm		50
6150 35CL	chrome	glossy	10÷20	35mm		10
6150 50BO	white	matt	10÷20	50mm		10
6150 50NO	black	matt	10÷20	50mm		10
6150 50NL	black	glossy	10÷20	50mm		50
6150 50BL	white	glossy	10÷20	50mm		50
6150 50CL	chrome	glossy	10÷20	50mm		10

Covering cap for TopFAR lockshield valves.



ART. 0345

Code	colour	finish	€	box
0345	chrome	glossy		1

Nut for TopFAR valves.



ART. 0336

Code	colour	finish	size	€	box
0336 16	chrome	glossy	Ø 16		1
0336 18	chrome	glossy	Ø 18		1
0336 20	chrome	glossy	Ø 20		1

Covering cap for single/double pipe TopFAR valves.
- Glossy finish



ART. 0355

Code	€	box
0355		1

Union for angled single/double pipe TopFAR valves.
- Glossy finish



ART. 0377

Code	size	€	box
0377 12	1/2"		1

Nut for angled single/double pipe TopFAR valves.
- Glossy finish



ART. 0367

Code	size	€	box
0367	3/4"		1

Chrome-plated adapter suitable for installation of electric actuators on thermostatic valves.
- M30x1,5 thread



ART. 1941

Code	€	box
1941		1

Terminal for TopFAR valves and lockshield valves.
- Complete with nut
- Terminal provided with EPDM gasket



ART. 0407

Code	colour	finish	size	€	box
0407 38	chrome	glossy	3/8"		1
0407 12	chrome	glossy	1/2"		1

Nut for TopFAR valves (Art. 0264-0286-0288-0262).



ART. 0335

Code	colour	finish	size	€	box
0335 16	chrome	glossy	Ø 16		1
0335 18	chrome	glossy	Ø 18		1
0335 20	chrome	glossy	Ø 20		1

Manual control for TopFAR valves.



ART. 0316

Code	colour	finish	€	box
0316	chrome	glossy		1

Threaded ring for manual control for TopFAR valves.



ART. 0326

Code	colour	finish	€	box
0326	chrome	glossy		1

Chrome-plated eccentric fitting for connection in case of heating body replacement, with variaton of centre line between ports.
- Connections: MALE-FEMALE
- Glossy finish



ART. 0445

Code	centre line	size	€	box	pack
0445 112	cm. 1	1/2"x1/2"		25	250
0445 212	cm. 2	1/2"x1/2"		25	250

Kit for plastic pipes. Suitable for all our articles with 24x19 interchangeable connection.
Complete with:
- adapter for plastic pipe
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 6050

Code	pipe	Ø external diameter	€	box	pack
6050 48186	plastic	12x2,15		100	500
6050 4847	plastic	12x2		100	500
6050 48184	plastic	12x1,5		100	500
6050 6545	plastic	14x2		100	500
6050 4645	plastic	15x2,5		100	500
6050 4663	plastic	15x2		100	500
6050 46173	plastic	15x1,7		100	500
6050 5863	plastic	16x2,5		100	500
6050 58173	plastic	16x2,2		100	500
6050 5861	plastic	16x2		100	500
6050 58262	plastic	16x1,8		100	500
6050 5864	plastic	16x1,5		100	500

Kit for MULTILAYER pipes. Suitable for all our articles with 24x19 interchangeable connection.
Complete with:
- adapter for multilayer pipe
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 6053

Code	pipe	Ø external diameter	€	box
6053 65193	multilayer	14x2		100
6053 58190	multilayer	16x2		100
6053 58200	multilayer	16x2,25		100
6053 58278	multilayer	16,2x2,6		100

Kit for MULTILAYER pipes. Suitable for TopFAR products.
Complete with :
- adapter for multilayer pipe
- brass ring
- nut with 24x19 thread, high chrome finish



ART. 0436

ATTACCO 24x19 CONNECTION

Code	nut finish	pipe	Ø external diameter	€	box
0436 150810	chrome	multilayer	17x2		50
0436 44191	chrome	multilayer	18x2		50
0436 80204	chrome	multilayer	20x2		50
0436 80192	chrome	multilayer	20x2,25		50
0436 80201	chrome	multilayer	20x2,5		50

Rubber sealing compression KIT for copper pipe.
Complete with:
- brass pipe guide washer
- rubber compression single-taper
- brass ring

NB. The ø16 nut is already provided with all products with copper connection.



ART. 8430

Code	pipe	size	€	box
8430 10	copper	Ø 10		500
8430 12	copper	Ø 12		500
8430 14	copper	Ø 14		500

Rubber sealing compression KIT for copper pipe.
Complete with:
- rubber compression single-taper
- brass ring

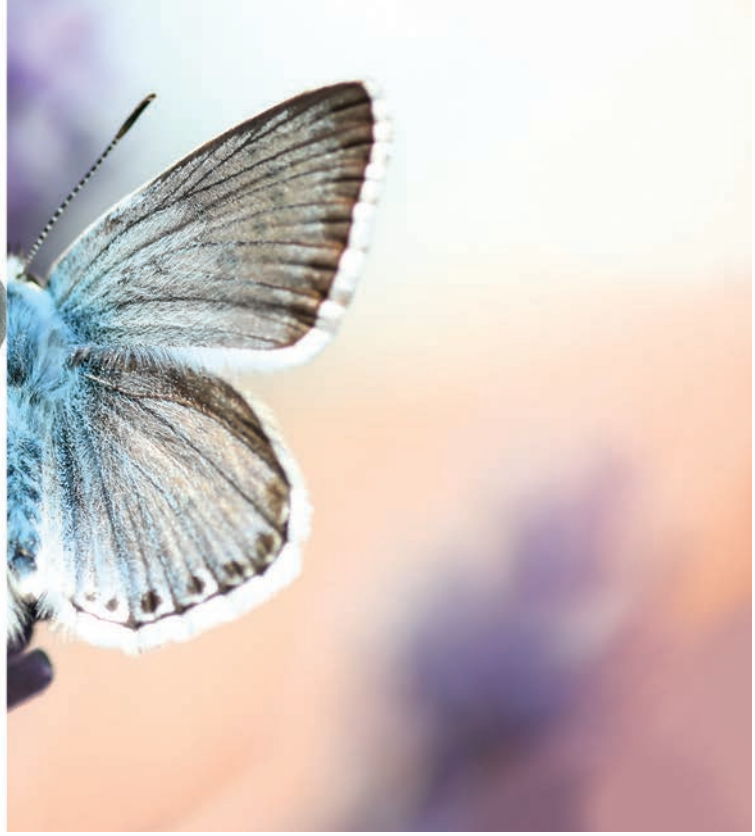
NB. The ø16 nut is already provided with all products with copper connection.



ART. 8431

Code	pipe	size	€	box
8431 15	copper	Ø 15		500
8431 16	copper	Ø 16		500





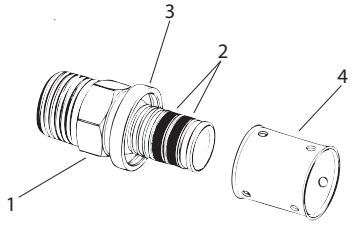
FAR flow evolution

PRESSFAR fittings and accessories 09

Straight fittings	257
Angled fittings	259
T fittings	260
Special fittings	263
Built-in stop cock and spare parts	266
Accessories	268

9 PRESSFAR FITTINGS

Patented press fitting system for multilayer pipes, designed and manufactured by FAR Rubinetterie S.p.A.



PRESSFAR fitting includes:

1	Fitting body
2	Double seal ring with rectangular section
3	Plastic ring
4	Reversible steel bush

ATTENTION: prior to installation please check that the multilayer pipe being used is the same size as that indicated on the fitting.



Cut the pipe perpendicular to its axis with suitable shears.



Calibrate the pipe to make position of the fitting easier.



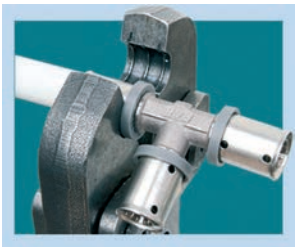
Insert the fitting, checking the position of the pipe through the holes in the bush.



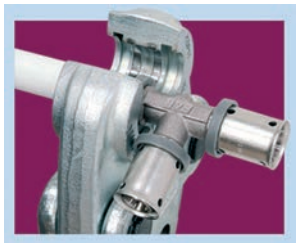
Press the fitting.

ATTENTION: Do NOT use grease or oil on the fitting!

The PRESSFAR fitting has been designed for pressing with three different profiles:



H PROFILE JAW



TH PROFILE JAW



U PROFILE JAW

The jaws must be positioned as follows:on the TH jaw the plastic ring,which supports the steel bush,has to be placed in the matching seat,while the H and U jaws have to be placed on the steel bush,so that one side of the jaw is adjacent to the plastic ring.

FAR guarantees perfect compatibility between all fittings in the range and the three types of press profiles.

PRESSFAR fitting can be pressed with electrical press machines, or battery-powered pressing tools with jaws or inserts with TH, U, H profiles. The press machine must be in appropriate condition, i.e. in full working order and checked against to the manufacturer's specification as being capable of the right type of pressing. PRESSFAR fittings are suitable for use in heating and domestic systems.

To make easier the identification of press fitting sizes, the ring colour has been differentiated:

GREY RING	14x2 - 16x2 - 18x2 - 20x2 - 26x3 - 32x3 - 40x4 - 50x4
WHITE RING	16x2,25 - 20x2,25
GREEN RING	20x2,5 - 25x2,5 - 40x3,5 - 50x4,5 - 63x4,5

TECHNICAL FEATURES

Body of press fittings:	CW617N brass
Body of bar fittings:	CW617N brass
O-ring:	EPDM70P
Ring:	PPR
Bush:	AISI304 steel
Surface treatment of fittings:	T.E.A.®
Nominal pressure:	16bar
Max working temperature:	95°C
Compatible media:	water (with and without glycol) and air
N.B: the maximum temperature and pressure depend on pipe characteristics	

Male fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5900

Code	size	Ø pipe	€	box	pack
59001401	1/2"	14x2		25	250
59001601	1/2"	16x2		25	250
59001602	1/2"	16x2,25		25	250
59001801	1/2"	18x2		25	250
59001802	3/4"	18x2		25	250
59002001	1/2"	20x2		25	250
59002002	3/4"	20x2		25	250
59002003	1/2"	20x2,25		25	250
59002004	3/4"	20x2,25		25	250
59002005	1/2"	20x2,5		25	250
59002006	3/4"	20x2,5		25	250
59002501	3/4"	25x2,5		20	200
59002502	1"	25x2,5		10	100
59002601	3/4"	26x3		20	200
59002602	1"	26x3		10	100
59003201	1"	32x3		10	100
59003202	1"1/4	32x3		10	100
59003203	3/4"	32x3		10	100
59004001	1"	40x3,5		10	100
59004002	1"1/4	40x3,5		10	100
59004003	1"	40x4		10	100
59004004	1"1/4	40x4		10	100
59005001	1"1/4	50x4		5	50
59005002	1"1/4	50x4,5		5	50
59005003	1"1/2	50x4		5	50
59005004	1"1/2	50x4,5		5	50
59006301	2"	63x4,5		4	40

Female fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5901

Code	size	Ø pipe	€	box	pack
59011401	1/2"	14x2		25	250
59011601	1/2"	16x2		25	250
59011602	1/2"	16x2,25		25	250
59011801	1/2"	18x2		25	250
59011802	3/4"	18x2		25	250
59012001	1/2"	20x2		25	250
59012002	3/4"	20x2		25	250
59012003	1/2"	20x2,25		25	250
59012004	3/4"	20x2,25		25	250
59012005	1/2"	20x2,5		25	250
59012006	3/4"	20x2,5		25	250
59012501	3/4"	25x2,5		20	200
59012502	1"	25x2,5		10	100
59012601	3/4"	26x3		20	200
59012602	1"	26x3		10	100
59013201	1"	32x3		10	100
59013202	1"1/4	32x3		10	100
59014001	1"	40x3,5		10	100
59014002	1"1/4	40x3,5		10	100
59014003	1"	40x4		10	100
59014004	1"1/4	40x4		10	100
59015001	1"1/4	50x4		5	50
59015002	1"1/4	50x4,5		5	50
59015003	1"1/2	50x4		5	50
59015004	1"1/2	50x4,5		5	50
59016301	2"	63x4,5		4	40

Double fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5902

Code	Ø pipe	€	box	pack
59021401	14x2		25	250
59021601	16x2		25	250
59021602	16x2,25		25	250
59021701	17x2		25	250
59021801	18x2		25	250
59022001	20x2		25	250
59022002	20x2,25		25	250
59022003	20x2,5		25	250
59022501	25x2,5		20	200
59022601	26x3		20	200
59023201	32x3		10	100
59024001	40x3,5		5	50
59024002	40x4		5	50
59025001	50x4		5	50
59025002	50x4,5		5	50
59026301	63x4,5		3	30

Double fitting, reduced version.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5903

Code	Ø pipe	€	box	pack
59031801	18x2 - 16x2		25	250
59032001	20x2 - 16x2		25	250
59032002	20x2 - 18x2		25	250
59032003	20x2,5 - 16x2		25	250
59032004	20x2,5 - 18x2		25	250
59032005	20x2,5 - 16x2,25		25	250
59032006	20x2,25 - 16x2		25	250
59032007	20x2,25 - 18x2		25	250
59032008	20x2 - 20x2,5		25	250
59032009	20x2,25 - 20x2,5		25	250
59032010	20x2 - 14x2		25	250
59032011	20x2 - 20x2,25		25	250
59032501	25x2,5 - 16x2		20	200
59032502	25x2,5 - 18x2		20	200
59032503	25x2,5 - 20x2		20	200
59032504	25x2,5 - 20x2,5		20	200
59032505	25x2,5 - 20x2,25		20	200
59032601	26x3 - 16x2		20	200
59032602	26x3 - 18x2		20	200
59032603	26x3 - 20x2		20	200
59032604	26x3 - 20x2,5		20	200
59032605	26x3 - 20x2,25		20	200
59032606	26x3 - 25x2,5		10	100
59033201	32x3 - 16x2		10	100
59033202	32x3 - 18x2		10	100
59033203	32x3 - 20x2		10	100
59033204	32x3 - 20x2,5		10	100
59033205	32x3 - 25x2,5		10	100
59033206	32x3 - 26x3		10	100
59033207	32x3 - 20x2,25		20	200
59034001	40x3,5 - 25x2,5		10	100
59034002	40x3,5 - 26x3		10	100
59034003	40x3,5 - 32x3		10	100
59035001	50x4 - 32x3		5	50
59035002	50x4 - 40x3,5		5	50
59036301	63x4,5 - 32x3		4	40
59036302	63x4,5 - 40x3,5		4	40
59036303	63x4,5 - 50x4		3	30

Male elbow.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

ART. 5904

Code	size	Ø pipe	€	box	pack
59041401	1/2"	14x2		25	250
59041601	1/2"	16x2		25	250
59041602	1/2"	16x2,25		25	250
59041801	1/2"	18x2		25	250
59041802	3/4"	18x2		25	250
59042001	1/2"	20x2		25	250
59042002	3/4"	20x2		25	250
59042003	1/2"	20x2,25		25	250



Code	size	Ø pipe	€	box	pack
59042004	3/4"	20x2,25		25	250
59042005	1/2"	20x2,5		25	250
59042006	3/4"	20x2,5		25	250
59042501	3/4"	25x2,5		20	200
59042502	1"	25x2,5		10	100
59042601	3/4"	26x3		10	200
59042602	1"	26x3		10	100
59043201	1"	32x3		10	100
59043202	1"1/4	32x3		5	50
59043203	3/4"	32x3		10	50
59044001	1"1/4	40x3,5		5	50
59044002	1"1/4	40x4		5	50
59045001	1"1/2	50x4		5	40
59045002	1"1/2	50x4,5		5	40
59046301	2"	63x4,5		2	20

Female elbow.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

ART. 5905

Code	size	Ø pipe	€	box	pack
59051401	1/2"	14x2		25	250
59051601	1/2"	16x2		25	250
59051602	1/2"	16x2,25		25	250
59051801	1/2"	18x2		25	250
59051802	3/4"	18x2		25	250
59052001	1/2"	20x2		25	250
59052002	3/4"	20x2		25	250
59052003	1/2"	20x2,25		25	250



Code	size	Ø pipe	€	box	pack
59052004	3/4"	20x2,25		25	250
59052005	1/2"	20x2,5		25	250
59052006	3/4"	20x2,5		25	250
59052501	3/4"	25x2,5		10	100
59052502	1"	25x2,5		10	100
59052601	3/4"	26x3		10	100
59052602	1"	26x3		10	100
59053201	1"	32x3		10	100
59053202	1"1/4	32x3		5	50
59053203	3/4"	32x3		5	50
59054001	1"1/4	40x3,5		5	50
59054002	1"1/4	40x4		5	50
59055001	1"1/2	50x4		5	40
59055002	1"1/2	50x4,5		5	40
59056301	2"	63x4,5		2	20

Double 90° elbow.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

ART. 5906

Code	Ø pipe	€	box	pack
59061401	14x2		25	250
59061601	16x2		25	250
59061602	16x2,25		25	250
59061801	18x2		25	250



Code	Ø pipe	€	box	pack
59062001	20x2		25	250
59062002	20x2,25		25	250
59062003	20x2,5		25	250
59062501	25x2,5		10	100
59062601	26x3		10	100
59063201	32x3		10	80
59064001	40x3,5		5	50
59064002	40x4		5	50
59065001	50x4		4	40
59065002	50x4,5		4	40
59066301	63x4,5		2	20

Double 45° elbow.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

ART. 5907

Code	Ø pipe	€	box	pack
59072501	25x2,5		10	100
59072601	26x3		10	100



Code	Ø pipe	€	box	pack
59073201	32x3		10	100
59074001	40x3,5		5	50
59074002	40x4		5	50
59075001	50x4		4	40
59075002	50x4,5		4	40
59076301	63x4,5		2	-

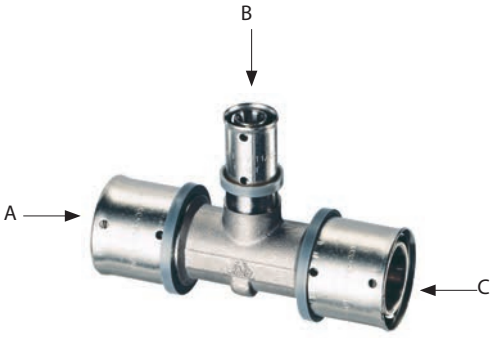
"T" fitting.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5908

Code	Ø pipe			€	box	pack
59081401	14x2	14x2	14x2		20	200
59081601	16x2	16x2	16x2		20	200
59081602	16x2,25	16x2,25	16x2,25		20	200
59081801	18x2	18x2	18x2		20	200
59082001	20x2	20x2	20x2		20	160
59082002	20x2,25	20x2,25	20x2,25		20	160
59082003	20x2,5	20x2,5	20x2,5		20	160
59082501	25x2,5	25x2,5	25x2,5		10	100
59082601	26x3	26x3	26x3		10	100
59083201	32x3	32x3	32x3		5	50
59084001	40x3,5	40x3,5	40x3,5		3	30
59084002	40x4	40x4	40x4		3	30
59085001	50x4	50x4	50x4		2	20
59085002	50x4,5	50x4,5	50x4,5		2	20
59086301	63x4,5	63x4,5	63x4,5		1	10

"T" fitting, with CENTRAL reduction.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

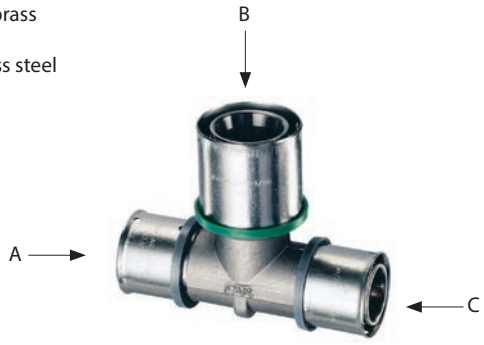


ART. 5909

Code	Ø pipe A	Ø pipe B	Ø pipe C	€	box	pack
59091601	16x2	14x2	16x2		20	200
59091801	18x2	16x2	18x2		20	200
59092001	20x2	16x2	20x2		20	160
59092002	20x2	18x2	20x2		20	160
59092003	20x2,5	16x2	20x2,5		20	160
59092004	20x2,5	18x2	20x2,5		20	160
59092005	20x2,5	16x2,25	20x2,5		20	160
59092006	20x2,25	16x2	20x2,25		20	160
59092007	20x2,25	18x2	20x2,25		20	160
59092008	20x2	14x2	20x2		20	160
59092501	25x2,5	16x2	25x2,5		10	100
59092502	25x2,5	18x2	25x2,5		10	100
59092503	25x2,5	20x2	25x2,5		10	100
59092504	25x2,5	20x2,5	25x2,5		10	100
59092505	25x2,5	20x2,25	25x2,5		10	100
59092601	26x3	16x2	26x3		10	100
59092602	26x3	18x2	26x3		10	100
59092603	26x3	20x2	26x3		10	100
59092604	26x3	20x2,5	26x3		10	100
59092605	26x3	20x2,25	26x3		10	100
59092606	26x3	16x2,25	26x3		10	100
59093201	32x3	16x2	32x3		10	100
59093202	32x3	18x2	32x3		10	80
59093203	32x3	20x2	32x3		10	80
59093204	32x3	20x2,5	32x3		10	80
59093205	32x3	20x2,25	32x3		10	80
59093206	32x3	25x2,5	32x3		10	80
59093207	32x3	26x3	32x3		10	80
59094001	40x3,5	32x3	40x3,5		3	30
59094002	40x4	32x3	40x4		3	30
59094003	40x3,5	26x3	40x3,5		3	30
59094004	40x4	25x2,5	40x4		3	30
59095001	50x4	26x3	50x4		2	20
59095002	50x4	32x3	50x4		2	20
59095003	50x4	40x3,5	50x4		2	20
59095004	50x4,5	25x2,5	50x4,5		2	20
59095005	50x4,5	32x3	50x4,5		2	20
59095006	50x4,5	40x4	50x4,5		2	20

"T" fitting, with SIDE reduction.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

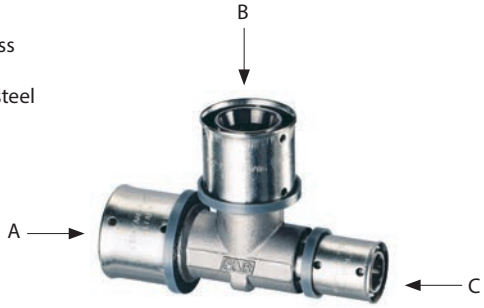


ART. 5910

Code	Ø pipe A	Ø pipe B	Ø pipe C	€	box	pack
59101601	16x2	20x2	16x2		20	160
59101602	16x2	20x2,25	16x2		20	160
59101603	16x2	20x2,5	16x2		20	160
59101604	16x2,25	20x2	16x2,25		20	160
59101605	16x2,25	20x2,25	16x2,25		20	160
59101606	16x2,25	20x2,5	16x2,25		20	160
59101607	16x2	26x3	16x2		20	160
59101608	16x2	25x2,5	16x2		20	160
59101801	18x2	25x2,5	18x2		20	160
59101802	18x2	26x3	18x2		20	160
59102001	20x2	26x3	20x2		10	100
59102002	20x2,25	26x3	20x2,25		10	100
59102003	20x2,5	26x3	20x2,5		10	100
59102004	20x2,25	25x2,5	20x2,25		10	100
59102501	25x2,5	32x3	25x2,5		10	80
59102601	26x3	32x3	26x3		10	80
59103201	32x3	40x3,5	32x3		5	40
59103202	32x3	40x4	32x3		5	40

REDUCED "T" fitting.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5911

Code	Ø pipe A	Ø pipe B	Ø pipe C	€	box	pack
59111801	18x2	16x2	16x2		20	200
59111802	18x2	18x2	16x2		20	200
59112001	20x2	16x2	16x2		20	160
59112002	20x2	18x2	18x2		20	160
59112003	20x2	20x2	16x2		20	160
59112004	20x2,5	16x2	16x2		20	160
59112005	20x2,5	18x2	18x2		20	160
59112006	20x2,5	20x2,5	16x2		20	160
59112007	20x2,5	16x2,25	16x2,25		20	160
59112008	20x2,25	16x2	16x2		20	160
59112009	20x2,25	18x2	18x2		20	160
59112010	20x2,25	20x2,25	16x2		20	160
59112011	20x2,25	20x2,25	18x2		20	160
59112012	20x2	26x3	16x2		10	100
59112013	20x2,5	20x2,5	16x2,25		20	160
59112014	20x2	20x2	18x2		20	160
59112015	20x2,5	20x2,5	18x2		20	160
59112501	25x2,5	20x2	20x2		10	100
59112502	25x2,5	20x2,5	20x2,5		10	100
59112503	25x2,5	25x2,5	20x2		10	100
59112504	25x2,5	25x2,5	20x2,5		10	100
59112505	25x2,5	16x2	16x2		10	100
59112506	25x2,5	18x2	18x2		10	100
59112507	25x2,5	20x2,25	20x2,25		10	100
59112601	26x3	20x2	20x2		10	100
59112602	26x3	20x2,5	20x2,5		10	100
59112603	26x3	26x3	20x2		10	100
59112604	26x3	26x3	20x2,5		10	100
59112605	26x3	16x2	16x2		10	100
59112606	26x3	18x2	18x2		10	100
59112607	26x3	16x2	20x2		10	100
59112608	26x3	20x2	16x2		10	100
59112609	26x3	26x3	16x2		10	100
59112610	26x3	26x3	18x2		10	100
59112611	26x3	20x2,5	16x2		10	100
59112612	26x3	16x2	20x2,5		10	100
59113201	32x3	25x2,5	25x2,5		10	80
59113202	32x3	26x3	26x3		10	80
59113203	32x3	32x3	20x2		10	80
59113204	32x3	32x3	20x2,5		10	80
59113205	32x3	32x3	25x2,5		5	50
59113206	32x3	32x3	26x3		5	50
59113207	32x3	20x2	26x3		10	100
59113208	32x3	20x2,5	20x2,5		10	80
59113209	32x3	32x3	20x2,25		10	80
59113210	32x3	20x2	20x2		10	80
59113211	32x3	20x2,25	20x2,25		10	80
59114001	40x3,5	32x3	32x3		3	30
59114002	40x4	32x3	32x3		3	30
59115001	50x4	40x3,5	40x3,5		2	20
59115002	50x4	32x3	40x3,5		2	20
59115003	50x4	26x3	40x3,5		2	20
59115004	50x4,5	40x4	40x4		2	20
59115005	50x4,5	32x3	40x4		2	20
59115006	50x4,5	26x3	40x4		2	20

Female "T" fitting.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5912

Code	size	Ø pipe	€	box	pack
59121601	1/2"	16x2		20	200
59121602	1/2"	16x2,25		20	200
59121801	1/2"	18x2		20	200
59121802	3/4"	18x2		10	100
59122001	1/2"	20x2		20	200
59122002	3/4"	20x2		10	100
59122003	1/2"	20x2,25		20	200
59122004	3/4"	20x2,25		10	100
59122005	1/2"	20x2,5		20	200
59122006	3/4"	20x2,5		10	100
59122501	3/4"	25x2,5		10	100
59122502	1"	25x2,5		10	100
59122601	3/4"	26x3		10	100
59122602	1"	26x3		10	100
59123201	1"	32x3		10	80
59123202	1"1/4	32x3		5	50
59124001	1"1/4	40x3,5		5	50
59124002	1"1/4	40x4		5	50
59125001	1"1/2	50x4		4	40
59125002	1"1/2	50x4,5		4	40
59126301	3/4"	63x4,5		1	10
59126302	1"	63x4,5		1	10
59126303	1"1/4	63x4,5		1	10
59126304	1"1/2	63x4,5		1	10
59126305	2"	63x4,5		1	10

Male "T" fitting.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5913

Code	size	Ø pipe	€	box	pack
59131601	1/2"	16x2		20	200
59131602	1/2"	16x2,25		20	200
59131801	1/2"	18x2		20	200
59131802	3/4"	18x2		10	100
59132001	1/2"	20x2		20	200
59132002	3/4"	20x2		10	100
59132003	1/2"	20x2,25		20	200
59132004	3/4"	20x2,25		10	100
59132005	1/2"	20x2,5		20	200
59132006	3/4"	20x2,5		10	100
59132501	3/4"	25x2,5		10	100
59132502	1"	25x2,5		10	100
59132601	3/4"	26x3		10	100
59132602	1"	26x3		10	100
59133201	1"	32x3		10	80
59133202	1"1/4	32x3		5	50
59134001	1"1/4	40x3,5		5	50
59134002	1"1/4	40x4		5	50
59135001	1"1/2	50x4		2	20
59135002	1"1/2	50x4,5		2	20

Female wall connection.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5914

Code	size	Ø pipe	€	box	pack
59141601	1/2"	16x2		20	200
59141602	1/2"	16x2,25		20	200
59141801	1/2"	18x2		20	200
59141802	3/4"	18x2		10	100
59142001	1/2"	20x2		10	100
59142002	3/4"	20x2		10	100
59142003	1/2"	20x2,25		10	100
59142004	3/4"	20x2,25		10	100
59142005	1/2"	20x2,5		10	100
59142006	3/4"	20x2,5		10	100
59142501	3/4"	25x2,5		10	100
59142601	3/4"	26x3		10	100

Wall connection for freestanding sanitaryware.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5927

Code	size	Ø pipe	€	box	pack
59271601	1/2"	16x2		20	200
59271602	1/2"	16x2,25		20	200
59271801	1/2"	18x2		20	200
59272001	1/2"	20x2		10	100
59272002	1/2"	20x2,25		10	100
59272003	1/2"	20x2,5		10	100

Fitting with flat faced connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Swiveling nut



ART. 5919

Code	nut size	Ø pipe	€	box	pack
59191601	1/2″	16x2		25	250
59191602	1/2″	16x2,25		25	250
59191603	3/4″	16x2		25	250
59191604	3/4″	16x2,25		25	250
59191801	1/2″	18x2		25	250
59191802	3/4″	18x2		25	250
59192001	1/2″	20x2		25	250
59192002	1/2″	20x2,25		25	250
59192003	1/2″	20x2,5		25	250
59192004	3/4″	20x2		25	250
59192005	3/4″	20x2,25		25	250
59192006	3/4″	20x2,5		25	250
59192501	1″	25x2,5		20	200
59192502	3/4″	25x2,5		20	200
59192601	1″	26x3		20	200
59192602	3/4″	26x3		20	200
59193201	1″	32x3		20	160
59194001	1″	40x3,5		20	160
59194002	1″1/4	40x4		20	160
59195002	1″1/2	50x4,5		20	160
59196301	2″	63x4,5		20	160
59196302	2″	63x6		20	160

Elbow with flat faced connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Swiveling nut



ART. 5922

Code	nut size	Ø pipe	€	box	pack
59221601	1/2″	16x2		25	250
59221602	3/4″	16x2		25	250
59221801	1/2″	18x2		25	250
59221802	3/4″	18x2		25	250
59222001	1/2″	20x2		25	250
59222002	3/4″	20x2		25	250
59222003	3/4″	20x2,5		25	250
59222004	1/2″	20x2,5		25	250
59222501	3/4″	25x2,5		20	160
59222502	1″	25x2,5		20	160
59222601	3/4″	26x3		20	160
59222602	1″	26x3		20	160

Fitting with FAR 24x19 connection.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Swiveling nut



ART. 5915

Code	size	Ø pipe	€	box	pack
59151601	24x19	16x2		25	250
59152001	24x19	20x2		25	250

Fitting with M33x1,5 connection.

- For art. 3827 - 3910 - 3920 - 3927 - 3457 - 3458 - 3459
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Swiveling nut



ART. 5918

Code	size	Ø pipe	€	box	pack
59182001	33x1,5	20x2		25	250
59182501	33x1,5	25x2,5		20	200
59182601	33x1,5	26x3		20	200

120° through connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5916

Code	size	Ø pipe	€	box	pack
59161601	1/2"	16x2		10	100
59161602	1/2"	16x2,25		10	100
59161801	1/2"	18x2		10	100
59162001	1/2"	20x2		10	100
59162002	1/2"	20x2,25		10	100
59162003	1/2"	20x2,5		10	100

Terminal connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5917

Code	size	Ø pipe	€	box	pack
59171601	1/2"	16x2		10	100
59171602	1/2"	16x2,25		10	100
59171801	1/2"	18x2		10	100
59172001	1/2"	20x2		10	100
59172002	1/2"	20x2,25		10	100
59172003	1/2"	20x2,5		10	100

Straight through connection for bracket, art. 7477.

- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5925

Code	size	Ø pipe	€	box	pack
59251601	1/2"	16x2		10	100
59251801	1/2"	18x2		10	100
59252001	1/2"	20x2		10	100
59252003	1/2"	20x2,5		10	100

Brass elbow for connection to wall-mounted flush cisterns.

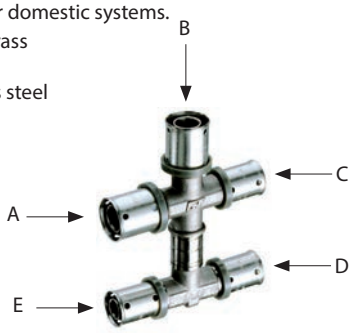
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Locking threaded ring
- Press-connection for multilayer pipes



ART. 5928

Code	size	Ø pipe	€	box	pack
59281601	1/2"	16x2		10	100
59281602	1/2"	16x2,25		10	100

5-way distribution fitting for domestic systems.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel

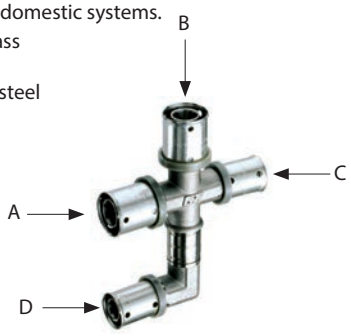


ART. 5923

Ø pipe

Code	A	B	C	D	E	€	box
59232001	20x2,5	20x2,5	16x2	16x2	16x2		10
59232002	20x2	20x2	16x2	16x2	16x2		10
59232003	20x2,25	20x2,25	16x2,25	16x2,25	16x2,25		10
59232601	20x2,5	26x3	16x2	16x2	16x2		10
59232602	20x2	26x3	16x2	16x2	16x2		10

4-way distribution fitting for domestic systems.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5924

Ø pipe

Code	A	B	C	D	€	box	pack
59242001	20x2,5	20x2,5	16x2	16x2		10	160
59242002	20x2	20x2	16x2	16x2		10	160
59242003	20x2,25	20x2,25	16x2,25	16x2,25		10	160
59242601	20x2,5	26x3	16x2	16x2		10	160
59242602	20x2	26x3	16x2	16x2		10	160

Elbow for radiator connection complete with chrome-plated pipe.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5920

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5920140124	14x2	15	cm. 24		10	80
5920160124	16x2	15	cm. 24		10	80
5920160224	16x2,25	15	cm. 24		10	80
5920180124	18x2	15	cm. 24		10	80
5920200124	20x2	15	cm. 24		10	80
5920200224	20x2,25	15	cm. 24		10	80
5920200324	20x2,5	15	cm. 24		10	80

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5920140109	14x2	15	cm. 9		25	200
5920160109	16x2	15	cm. 9		25	200
5920160209	16x2,25	15	cm. 9		25	200
5920180109	18x2	15	cm. 9		25	200
5920200109	20x2	15	cm. 9		25	200
5920200209	20x2,25	15	cm. 9		25	200
5920200309	20x2,5	15	cm. 9		25	200

"T" fitting for radiator connection complete with chrome-plated pipe.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel



ART. 5921

Code	Ø multilayer pipe	Ø copper pipe	copper pipe length	€	box	pack
5921140125	14x2	15	cm. 25		5	50
5921160125	16x2	15	cm. 25		5	50
5921160225	16x2,25	15	cm. 25		5	50
5921180125	18x2	15	cm. 25		5	50
5921200125	20x2	15	cm. 25		5	50
5921200225	20x2,25	15	cm. 25		5	50
5921200325	20x2,5	15	cm. 25		5	50

Repair and expansion joint for multilayer pipes.
- Body made of CW617N brass
- Finish: TEA® treatment
- Bushing made of stainless steel
- Double sealing O-ring



ART. 5926

Code	Ø pipe	€	box	pack
59261401	14x2		20	200
59261601	16x2		20	200

Code	Ø pipe	€	box	pack
59261602	16x2,25		20	200
59261801	18x2		20	200
59262001	20x2		20	200
59262002	20x2,25		20	200
59262003	20x2,5		20	200

Built-in stop cock.



With brass wall cover plate

ART. 5960

Code	size	€	box	pack
5960 12	1/2"		2	60
5960 34	3/4'		1	30

With plastic wall cover plate

ART. 5970

Code	size	€	box	pack
5970 12	1/2"		2	60
5970 34	3/4'		1	30

Built-in stop cock complete with PRESSFAR fittings.

With brass wall cover plate

ART. 5961

Code	size	Ø pipe	€	box	pack
59611601	1/2"	16x2		2	40
59611602	1/2"	16x2,25		2	40
59611801	1/2"	18x2		2	40
59612001	1/2"	20x2		2	40
59612002	1/2"	20x2,25		2	40
59612003	1/2"	20x2,5		2	40
59612601	3/4"	26x3		1	40
59613201	3/4"	32x3		1	40



With plastic wall cover plate

ART. 5971

Code	size	Ø pipe	€	box	pack
59711601	1/2"	16x2		2	40
59711602	1/2"	16x2,25		2	40
59711801	1/2"	18x2		2	40
59712001	1/2"	20x2		2	40
59712002	1/2"	20x2,25		2	40
59712003	1/2"	20x2,5		2	40
59712601	3/4"	26x3		1	40
59713201	3/4"	32x3		1	40

Built-in stop cock complete with PRESSFAR elbows.

With brass wall cover plate

ART. 5962

Code	size	Ø pipe	€	box	pack
59621601	1/2"	16x2		1	20
59621801	1/2"	18x2		1	20
59622003	1/2"	20x2,5		1	20
59622601	3/4"	26x3		1	20



With plastic wall cover plate

ART. 5972

Code	size	Ø pipe	€	box	pack
59721601	1/2"	16x2		1	20
59721801	1/2"	18x2		1	20
59722003	1/2"	20x2,5		1	20
59722601	3/4"	26x3		1	20

Built-in stop cock complete with handle.

With brass wall cover plate

ART. 5964

Code	size	€	box	pack
5964 12	1/2"		2	60
5964 34	3/4'		1	30



With plastic wall cover plate

ART. 5974

Code	size	€	box	pack
5974 12	1/2"		2	60
5974 34	3/4'		1	30

Built-in stop cock complete with handle and PRESSFAR fittings.



With brass wall cover plate

ART. 5963

Code	size	Ø pipe	€	box	pack
59631601	1/2"	16x2		2	40
59631801	1/2"	18x2		2	40
59632001	1/2"	20x2		2	40
59632003	1/2"	20x2,5		2	40
59632601	3/4"	26x3		1	20
59633201	3/4"	32x3		1	20

With plastic wall cover plate

ART. 5973

Code	size	Ø pipe	€	box	pack
59731601	1/2"	16x2		2	40
59731801	1/2"	18x2		2	40
59732001	1/2"	20x2		2	40
59732003	1/2"	20x2,5		2	40
59732601	3/4"	26x3		1	20
59733201	3/4"	32x3		1	20

Built-in stop cock complete with handle and PRESSFAR elbows.



With brass wall cover plate

ART. 5965

Code	size	Ø pipe	€	box	pack
59651601	1/2"	16x2		1	20
59651801	1/2"	18x2		1	20
59652003	1/2"	20x2,5		1	20
59652601	3/4"	26x3		1	20

With plastic wall cover plate

ART. 5975

Code	size	Ø pipe	€	box	pack
59751601	1/2"	16x2		1	20
59751801	1/2"	18x2		1	20
59752003	1/2"	20x2,5		1	20
59752601	3/4"	26x3		1	20

Cap complete with wall cover plate for built-in stop cock.



With brass wall cover plate

ART. 5967

Code	€	box	pack
5967		1	20

With plastic wall cover plate

ART. 5966

Code	€	box	pack
5966		1	20

Cap with handle complete with wall cover plate for built-in stop cock.



With brass wall cover plate

ART. 5969

Code	€	box	pack
5969		1	20

With plastic wall cover plate

ART. 5968

Code	€	box	pack
5968		1	20

3 port CR (DZR) manifold complete with PRESSFAR fitting.



ART. 5930

Code	size	Ø pipe	€	box	pack
59302003	3/4"	20x2,5		5	50
59302601	3/4"	26x3		5	50

Metal bracket complete with screws.



ART. 7477

Code	€	box	pack
7477		20	120

Extension for built-in stop cock.



ART. 5981

Code	€	box	pack
5981		25	250

Calibrator made of PA.



ART. 9005

Code	Ø pipe	€	box
9005 1426	14-16-18-20-25-26		10
9005 3263	32-40-50-63		2
9005 1463	14-16-18-20-25-26-32-40-50-63		2

Bushing made of stainless steel complete with ring.



ART. 5985

Code	Ø pipe	€	box
59851401	14x2		1
59851601	16x2		1
59851602	16x2,25		1
59851801	18x2		1
59852001	20x2		1
59852002	20x2,25		1
59852003	20x2,5		1
59852501	25x2,5		1
59852601	26x3		1
59853201	32x3		1
59854001	40x3,5		1
59854002	40x4		1
59855001	50x4		1
59855002	50x4,5		1
59856301	63x4,5		1



Fittings and accessories 10

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3-piece straight connection, brass version.
- male-female connections

ART. 5140

Code	size	€	box	pack
5140 38	3/8"		50	400
5140 12	1/2"		25	200
5140 34	3/4"		20	120
5140 1	1"		10	80
5140 114	1"1/4		10	80
5140 112	1"1/2		5	50
5140 2	2"		2	20



3-piece bent connection, brass version.
- male-female connections

ART. 5190



Code	size	€	box	pack
5190 38	3/8"		50	400
5190 12	1/2"		25	200
5190 34	3/4"		20	120
5190 1	1"		10	80
5190 114	1"1/4		10	80
5190 112	1"1/2		5	50
5190 2	2"		2	20

3-piece straight connection, chrome-plated version.
- male-female connections

ART. 5150

Code	size	€	box	pack
5150 38	3/8"		50	400
5150 12	1/2"		25	200
5150 34	3/4"		20	120
5150 1	1"		10	80
5150 114	1"1/4		10	80
5150 112	1"1/2		5	50
5150 2	2"		2	20



3-piece bent connection, chrome-plated version.
- male-female connections

ART. 5200



Code	size	€	box	pack
5200 38	3/8"		50	400
5200 12	1/2"		25	200
5200 34	3/4"		20	120
5200 1	1"		10	80
5200 114	1"1/4		10	80
5200 112	1"1/2		5	50
5200 2	2"		2	20

3-piece straight connection, brass version.
- male-male connections

ART. 5143

Code	size	€	box	pack
5143 12	1/2"		25	200
5143 34	3/4"		20	120
5143 1	1"		10	80
5143 114	1"1/4		10	80



3-piece straight connection, chrome-plated version.
- male-male connections

ART. 5153



Code	size	€	box	pack
5153 12	1/2"		25	200
5153 34	3/4"		20	120
5153 1	1"		10	80
5153 114	1"1/4		10	80

Chrome-plated connection kit for pump complete with nut, gasket and non-return valve.
- Connection: 3/4" male
- Connection: 1" male



ART. 8344

Code	size	nut	€	box
8344 341	3/4"	1"		10
8344 34	3/4"	1"1/2		10
8344 1	1"	1"1/2		10

Chrome-plated connection kit for pump complete with nut and gasket.
- Connection: 3/4" male
- Connection: 1" male



ART. 8345

Code	size	nut	€	box
8345 341	3/4"	1"		10
8345 34114	3/4"	1"1/4		10
8345 34	3/4"	1"1/2		10
8345 1	1"	1"1/2		10

Chrome-plated connection kit for pump complete with 1" 1/2 nut and gasket.
- connection: 3/4" female
- connection: 1" female

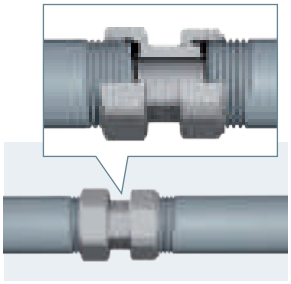


ART. 8346

Code	size	€	box
8346 34	3/4" x 1"1/2		10
8346 1	1" x 1"1/2		10

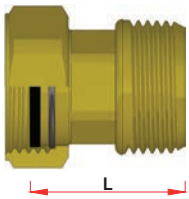
2-piece connections

2-piece connections line that makes easier the assembly operations of the various system components.
Available in MF or FF from 1/2" to 2" sizes, with swiveling nut and equal threads or with swiveling nut and reduced threads at the two ends of the fitting.
The particular shape of the fitting allows the use of flat gaskets in EPDM or normal sealing systems such as hemp, ptfe, etc...



2-piece connection with swiveling nut, brass version.
- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass





With reference to Art. 8313, the "L" dimension refers to the distance between the beginning of the flat faced thread and the edge on the gasket inside the cap

ART. 8313

Code	F nut	M conn.	connection length L	€	box
8313 12	1/2"	1/2"	34mm		1
8313 34	3/4"	3/4"	36mm		1
8313 1	1"	1"	39mm		1
8313 128	1"	1"	28mm		1
8313 130	1"	1"	30mm		1
8313 158	1"	1"	58mm		1
8313 160	1"	1"	60mm		1
8313 114	1"1/4	1"1/4	48mm		1
8313 112	1"1/2	1"1/2	48mm		1
8313 2	2"	2"	56mm		1
8313 3412	3/4"	1/2"	31mm		1
8313 134	1"	3/4"	34mm		1
8313 1141	1"1/4	1"	39mm		1
8313 112114	1"1/2	1"1/4	42mm		1
8313 2112	2"	1"1/2	45mm		1

2-piece connection with swiveling nut, chrome-plated version.
- Connections: Male-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8323

Code	F nut	M conn.	€	box
8323 12	1/2"	1/2"		1
8323 34	3/4"	3/4"		1
8323 1	1"	1"		1
8323 114	1"1/4	1"1/4		1
8323 112	1"1/2	1"1/2		1
8323 2	2"	2"		1
8323 3412	3/4"	1/2"		1
8323 134	1"	3/4"		1
8323 1141	1"1/4	1"		1
8323 112114	1"1/2	1"1/4		1
8323 2112	2"	1"1/2		1

2-piece connection with swiveling nut, brass version.
- Connections: Female-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8311

Code	F nut	F conn.	€	box
8311 12	1/2"	1/2"		1
8311 34	3/4"	3/4"		1
8311 1	1"	1"		1
8311 114	1"1/4	1"1/4		1
8311 112	1"1/2	1"1/2		1
8311 2	2"	2"		1
8311 3412	3/4"	1/2"		1
8311 134	1"	3/4"		1
8311 1141	1"1/4	1"		1
8311 112114	1"1/2	1"1/4		1
8311 2112	2"	1"1/2		1

2-piece connection with swiveling nut, chrome-plated version.
- Connections: Female-Female
- Flat faced gasket in EPDM
- CW617N forged brass



ART. 8321

Code	F nut	F conn.	€	box
8321 12	1/2"	1/2"		1
8321 34	3/4"	3/4"		1
8321 1	1"	1"		1
8321 114	1"1/4	1"1/4		1
8321 112	1"1/2	1"1/2		1
8321 2	2"	2"		1
8321 3412	3/4"	1/2"		1
8321 134	1"	3/4"		1
8321 1141	1"1/4	1"		1
8321 112114	1"1/2	1"1/4		1
8321 2112	2"	1"1/2		1

Brass connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Female-Female
- Flat faced gasket in EPDM



ART. 5244

Code	size	€	box
5244 1212	1/2"		25
5244 3434	3/4"		25
5244 11	1"		25

Chrome-plated connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Female-Female
- Flat faced gasket in EPDM



ART. 5304

Code	size	€	box
5304 1212	1/2"		25
5304 3434	3/4"		25
5304 11	1"		25

Brass connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Male-Female
- Flat faced gasket in EPDM



ART. 5294

Code	size	€	box
5294 1212	1/2"		25
5294 3434	3/4"		25
5294 11	1"		25

Chrome-plated connection fitting with swiveling nut.
- Body made of brass CW617N
- Connections: Male-Female
- Flat faced gasket in EPDM



ART. 5254

Code	size	€	box
5254 1212	1/2"		25
5254 3434	3/4"		25
5254 11	1"		25

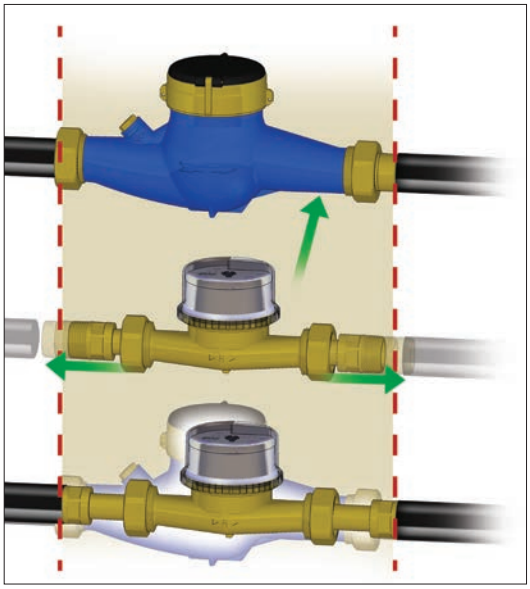
BRASS telescopic fitting with swiveling nut and flat faced gasket.
- Extensible from 35 to 60mm
- O-ring and sealing gasket in EPDM-P
- Fitting made of CW614N brass
- Nut made of CW617N brass
- Seger in AISI302 steel
- Nominal pressure: 16 bar
- Max. working temperature: 95°C



ART. 8822

Code	nut	connection	€	box
8822 3412TP	3/4"	1/2"		1
8822 134TP	1"	3/4"		1

INSTALLATION OVERVIEW



Chrome-plated eccentric connection with swiveling nuts.
- Connections: 3/4" Female-Female



ART. 5565

Code	centre l.	size	€	box
5565 234	cm. 2	3/4"x3/4"		1

Chrome-plated extensible connection.
- Body made of brass CW614N
- Swiveling nuts made of brass CW617N
- Double sealing O-ring and EPDM washers

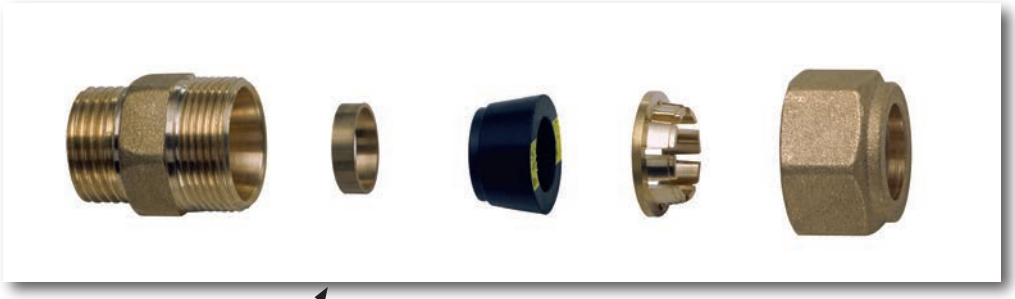


ART. 8882

Code	extension	size	€	box
8882 1534	35-50 mm	3/4"		1
8882 151	35-50 mm	1"		1

This range features mechanical compression fittings for gas and hydrocarbon fluids suitable to be used on Ø 10, 12, 14, 15, 16, 18 and 22 mm copper pipes

Fittings for GAS and hydrocarbon fluids



Brass fitting body

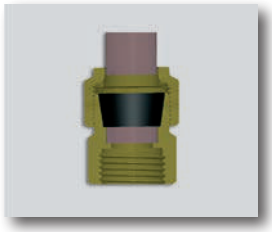
Ø 10-12-14 mm pipe guide ring

Single-taper in rubber

Reducer

Brass nut

In accordance with: UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

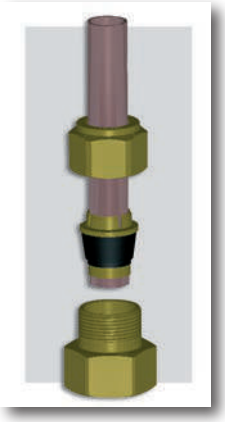


Assembly:

- Cut and deburr the pipe
- Insert the nut and reducer onto the pipe
- Insert the rubber single-taper and the optional guide ring onto the pipe
- Locate the pipe complete with kit in the conical seat, adjusting pipe to fitting body
- Tighten the nut

Technical features:

- Nominal pressure: 10 bar
- Working temperature: -15÷+50°
- Compatible media: gas and hydrocarbon fluids



Fittings range includes: male fitting, female fitting, male elbow, female elbow and wall connection complete with sealing kits depending on the different pipe sizes

Please note: when installing this kind of fittings you must follow all recommendations detailed in UNI 7129 and UNI 7131

Male fitting complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.
- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5860

Code	size	Ø pipe	€	box	pack
5860 3810	3/8"	10		25	250
5860 3812	3/8"	12		25	250
5860 3814	3/8"	14		25	250
5860 1210	1/2"	10		25	250



Code	size	Ø pipe	€	box	pack
5860 1212	1/2"	12		25	250
5860 1214	1/2"	14		25	250
5860 1215	1/2"	15		25	250
5860 1216	1/2"	16		25	250
5860 1218	1/2"	18		25	250
5860 3416	3/4"	16		25	250
5860 3418	3/4"	18		25	250
5860 3422	3/4"	22		25	250
5860 122	1"	22		25	250

Female fitting complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.
- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5862

Code	size	Ø pipe	€	box	pack
5862 3810	3/8"	10		25	250
5862 3812	3/8"	12		25	250
5862 3814	3/8"	14		25	250
5862 1210	1/2"	10		25	250



Code	size	Ø pipe	€	box	pack
5862 1212	1/2"	12		25	250
5862 1214	1/2"	14		25	250
5862 1215	1/2"	15		25	250
5862 1216	1/2"	16		25	250
5862 1218	1/2"	18		25	250
5862 3416	3/4"	16		25	250
5862 3418	3/4"	18		25	250
5862 3422	3/4"	22		25	250
5862 122	1"	22		25	250

Male elbow complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.
- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5864

Code	size	Ø pipe	€	box	pack
5864 1210	1/2"	10		25	250
5864 1212	1/2"	12		25	250
5864 1214	1/2"	14		25	250
5864 1215	1/2"	15		25	250



Code	size	Ø pipe	€	box	pack
5864 1216	1/2"	16		25	250
5864 1218	1/2"	18		25	250
5864 3416	3/4"	16		25	250
5864 3418	3/4"	18		25	250
5864 3422	3/4"	22		20	200
5864 122	1"	22		20	200

Female elbow complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.
- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682

ART. 5866

Code	size	Ø pipe	€	box	pack
5866 1210	1/2"	10		25	250
5866 1212	1/2"	12		25	250
5866 1214	1/2"	14		25	250
5866 1215	1/2"	15		25	250



Code	size	Ø pipe	€	box	pack
5866 1216	1/2"	16		25	250
5866 1218	1/2"	18		25	250
5866 3416	3/4"	16		25	250
5866 3418	3/4"	18		25	250
5866 3422	3/4"	22		20	200
5866 122	1"	22		15	150

Wall connection complete with sealing kit for copper pipe, suitable for gas and hydrocarbon fluids.
- In accordance with UNI EN 1254-2, UNI EN 1254-4 and UNI EN 682



ART. 5868

Code	size	Ø pipe	€	box	pack
5868 1210	1/2"	10		20	200
5868 1212	1/2"	12		20	200
5868 1214	1/2"	14		20	200
5868 1215	1/2"	15		20	200
5868 1216	1/2"	16		20	200
5868 1218	1/2"	18		20	200



A complete range of "INTERCHANGEABLE" mechanical fittings for heating and domestic services. Available in brass or chrome-plated versions.

FAR offers a wide range of adapters for copper or low-carbon steel pipes and for plastic and multilayer pipes.



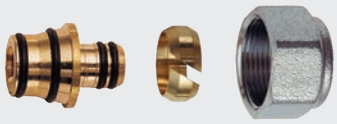
FAR interchangeable connection



Copper and low-carbon steel pipe
Ø 10 - 12 - 14 mm



Copper and steel pipe
Ø 15 - 16 mm



Multilayer pipe up to
external Ø 20 mm



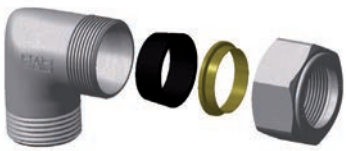
Plastic pipe up to
external Ø 20 mm

FAR's range of interchangeable fittings includes a comprehensive choice of configurations. The whole range is guaranteed up to 10 bar pressure and a maximum temperature of 95°C (except where other limits are imposed by the special characteristics of the selected pipe).
The fittings are suitable for use with water with or without added glycol.



The FAR range of fittings for multilayer pipe is also available in a ready made up version, pre-assembled with adapter up to 32x3mm. See from page 285 to page 292.

You can find the range of fittings complete with sealing kit for copper pipe Ø 18 – 20 – 22 mm in the last pages of this chapter.



Brass male fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5000

Code	size	€	box	pack
5000 38	3/8"		50	500
5000 12	1/2"		50	500
5000 34	3/4"		25	250
5000 1	1"		25	250

Chrome-plated male fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5010

Code	size	€	box	pack
5010 38	3/8"		50	500
5010 12	1/2"		50	500
5010 34	3/4"		25	250
5010 1	1"		25	250

Brass female fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5050

Code	size	€	box	pack
5050 38	3/8"		50	500
5050 12	1/2"		50	500
5050 34	3/4"		25	250
5050 1	1"		25	250

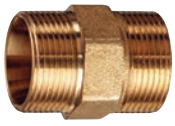
Chrome-plated female fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5060

Code	size	€	box	pack
5060 38	3/8"		50	500
5060 12	1/2"		50	500
5060 34	3/4"		25	250
5060 1	1"		25	250

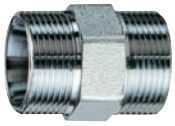
Brass double single-taper fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5100

Code	size	€	box	pack
5100 12	24x19		25	250

Chrome-plated double single-taper fitting.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5110

Code	size	€	box	pack
5110 12	24x19		25	250

Brass male elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5250

Code	size	€	box	pack
5250 12	1/2″		25	250
5250 34	3/4″		25	250
5250 1	1″		15	150

Chrome-plated male elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5260

Code	size	€	box	pack
5260 12	1/2″		25	250
5260 34	3/4″		25	250
5260 1	1″		15	150

Brass female elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5300

Code	size	€	box	pack
5300 12	1/2″		25	250
5300 34	3/4″		25	250
5300 1	1″		15	150

Chrome-plated female elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5310

Code	size	€	box	pack
5310 12	1/2″		25	250
5310 34	3/4″		25	250
5310 1	1″		15	150

Brass double single-taper elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5350

Code	size	€	box	pack
5350 12	24x19		25	250

Chrome-plated double single-taper elbow.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5360

Code	size	€	box	pack
5360 12	24x19		25	250

Brass T connection with 3 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5400

Code	size	€	box	pack
5400 12	24x19		20	200

Chrome-plated T connection with 3 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5410

Code	size	€	box	pack
5410 12	24x19		20	200

Brass T female connection with 2 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5450

Code	size	€	box	pack
5450 12	1/2"		20	200
5450 34	3/4"		20	200

Chrome-plated T female connection with 2 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5460

Code	size	€	box	pack
5460 12	1/2"		20	200
5460 34	3/4"		20	200

Brass T male connection with 2 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5500

Code	size	€	box	pack
5500 12	1/2"		20	200

Chrome-plated T male connection with 2 single-tapers.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5510

Code	size	€	box	pack
5510 12	1/2"		20	200

Brass T fitting.
- Fitting body in CW617N forged brass
- 1/2"-3/4"-1" male connections



ART. 5505

Code	size	€	box	pack
5505 12	1/2"		20	-
5505 34	3/4"		10	-
5505 1	1"		5	-

Chrome-plated T fitting.
- Fitting body in CW617N forged brass
- 1/2"-3/4"-1" male connections



ART. 5515

Code	size	€	box	pack
5515 12	1/2"		20	-
5515 34	3/4"		10	-
5515 1	1"		5	-

Brass T fitting.
- Fitting body in CW617N forged brass
- 3/4" male x 3/4" female x 1/2" male connections



ART. 5506

Code	size	€	box	pack
5506 34	3/4"		25	-

Chrome-plated T fitting.
- Fitting body in forged brass
- 3/4" male x 3/4" female x 1/2" male connections



ART. 5516

Code	size	€	box	pack
5516 34	3/4"		25	-

Brass female wall connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5550

Code	size	€	box	pack
5550 12	1/2"		20	200
5550 34	3/4"		20	200

Chrome-plated female wall connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5555

Code	size	€	box	pack
5555 12	1/2"		20	200
5555 34	3/4"		20	200

Brass male wall connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5552

Code	size	€	box	pack
5552 34	3/4"		20	200

Chrome-plated male wall connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5557

Code	size	€	box	pack
5557 34	3/4"		20	200

Chrome-plated flow-through straight connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5650

Code	size	€	box	pack
5650 12	1/2"		10	100

Chrome-plated "L" connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5700

Code	size	€	box	pack
5700 12	1/2"		10	100

Chrome-plated terminal connection.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe



ART. 5750

Code	size	€	box	pack
5750 12	1/2"		20	200

Brass bent connection for domestic systems.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe
- Holes for fixing on art. 9001



ART. 5600

Code	size	€	box	pack
5600 12	1/2"		25	250

Plastic terminal box for domestic systems with plastic pipe.
- Complete with screws for fixing art. 5600



ART. 9001

Code	€	box	pack
9001		10	-

Chrome-plated bent connection for domestic systems.
- Fitting body in CW617N forged brass
- Interchangeable sizes for copper, plastic and multilayer pipe
- Holes for fixing on art. 9001



ART. 5610

Code	size	€	box	pack
5610 12	1/2"		25	250

Plastic male plug for hydraulic test, complete with O-ring seal.



ART. 9002

Code	size	€	box	pack
9002	1/2"		120	2400

Plastic fixing bracket for ART. 9001.
- Centre distance between holes: 155 mm



ART. 9003

Code	size	€	box	pack
9003	int. 155		60	1200

Plastic wrench for connections mounting and levelling.



ART. 9004

Code	size	€	box	pack
9004	1/2"		20	400

Brass MALE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5065

Code	size	gasket	€	box
5065 38G08	3/8"x 8	rubber		50
5065 38G10	3/8"x10	rubber		50
5065 38G12	3/8"x12	rubber		50

Chrome-plated MALE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5070

Code	size	gasket	€	box
5070 38G08	3/8"x 8	rubber		50
5070 38G10	3/8"x10	rubber		50
5070 38G12	3/8"x12	rubber		50

Brass FEMALE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5075

Code	size	gasket	€	box
5075 38G08	3/8"x 8	rubber		50
5075 38G10	3/8"x10	rubber		50
5075 38G12	3/8"x12	rubber		50

Chrome-plated FEMALE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5080

Code	size	gasket	€	box
5080 38G08	3/8"x 8	rubber		50
5080 38G10	3/8"x10	rubber		50
5080 38G12	3/8"x12	rubber		50

Brass DOUBLE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5085

Code	size	gasket	€	box
5085 38G08	3/8"x 8	rubber		50
5085 38G10	3/8"x10	rubber		50
5085 38G12	3/8"x12	rubber		50

Chrome-plated DOUBLE fitting, reduced version.
- Fitting body in brass
- Pre-assembled sealing kit for copper pipe



ART. 5090

Code	size	gasket	€	box
5090 38G08	3/8"x 8	rubber		50
5090 38G10	3/8"x10	rubber		50
5090 38G12	3/8"x12	rubber		50

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for plastic pipe
- brass ring
- brass nut with 24x19 thread



ART. 6051

Code	pipe	Ø external diameter	€	box	pack
6051 95147	plastic	10,5x1,25		50	250
6051 48186	plastic	12x2,15		50	250
6051 4847	plastic	12x2		50	250
6051 48184	plastic	12x1,5		50	250
6051 481005	plastic	12x1,35		50	250
6051 9761005	plastic	12,7x1,7		50	250
6051 976186	plastic	12,7x2,4		50	250
6051 6563	plastic	14x1,5		50	250
6051 6545	plastic	14x2		50	250
6051 4645	plastic	15x2,5		50	250
6051 4663	plastic	15x2		50	250
6051 46173	plastic	15x1,7		50	250
6051 4661	plastic	15x1,5		50	250
6051 5863	plastic	16x2,5		50	250
6051 58173	plastic	16x2,2		50	250
6051 5861	plastic	16x2		50	250
6051 58262	plastic	16x1,8		50	250
6051 5864	plastic	16x1,5		50	250
6051 58180	plastic	16x2,7		50	250
6051 15061	plastic	16,8x2,4		50	250
6051 150829	plastic	17x2,25		50	250
6051 15043	plastic	17x2		50	250
6051 6043	plastic	17,8x2,4		50	250
6051 60180	plastic	17,8x3,6		50	250
6051 4443	plastic	18x2,5		50	250
6051 44221	plastic	18x2,2		50	250
6051 4468	plastic	18x2		50	250
6051 8043	plastic	20x3,5		50	250
6051 8068	plastic	20x3		50	250
6051 80185	plastic	20x2,8		50	250
6051 80222	plastic	20x2,3		50	250
6051 8069	plastic	20x2,15		50	250
6051 80214	plastic	20x2		50	250
6051 80261	plastic	20x1,9		50	250

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for multilayer pipe
- brass ring
- brass nut with 24x19 thread



ART. 6054

Code	pipe	Ø external diameter	€	box	pack
6054 902901	multilayer	11,6x1,5		50	250
6054 48901	multilayer	12x1,8		50	250
6054 65193	multilayer	14x2		50	250
6054 46193	multilayer	15x2,5		50	250
6054 58190	multilayer	16x2		50	250
6054 58200	multilayer	16x2,25		50	250
6054 58278	multilayer	16,2x2,6		50	250
6054 150200	multilayer	16,8x2,5		50	250
6054 150810	multilayer	17x2		50	250
6054 44191	multilayer	18x2		50	250
6054 80204	multilayer	20x2		50	250
6054 80192	multilayer	20x2,25		50	250
6054 80201	multilayer	20x2,5		50	250
6054 80191	multilayer	20x2,9		50	250

Sealing compression KIT in rubber for copper pipe.

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- brass nut with 24x19 thread



ART. 8426

Code	pipe	size	€	box	pack
8426 10	copper	Ø 10		100	500
8426 12	copper	Ø 12		100	500
8426 14	copper	Ø 14		100	500

Sealing compression KIT in rubber for copper pipe.

- rubber compression single-taper
- brass ring
- brass nut with 24x19 thread



ART. 8428

Code	pipe	size	€	box	pack
8428 15	copper	Ø 15		100	500
8428 16	copper	Ø 16		100	500

Kit for plastic pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for plastic pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6052

Code	pipe	Ø external diameter	€	box	pack
6052 95147	plastic	10,5x1,25		50	250
6052 48186	plastic	12x2,15		50	250
6052 4847	plastic	12x2		50	250
6052 48184	plastic	12x1,5		50	250
6052 481005	plastic	12x1,35		50	250
6052 9761005	plastic	12,7x1,7		50	250
6052 976186	plastic	12,7x2,4		50	250
6052 6563	plastic	14x1,5		50	250
6052 6545	plastic	14x2		50	250
6052 4645	plastic	15x2,5		50	250
6052 4663	plastic	15x2		50	250
6052 46173	plastic	15x1,7		50	250
6052 4661	plastic	15x1,5		50	250
6052 5863	plastic	16x2,5		50	250
6052 58173	plastic	16x2,2		50	250
6052 5861	plastic	16x2		50	250
6052 58262	plastic	16x1,8		50	250
6052 5864	plastic	16x1,5		50	250
6052 58180	plastic	16x2,7		50	250
6052 15061	plastic	16,8x2,4		50	250
6052 150829	plastic	17x2,25		50	250
6052 15043	plastic	17x2		50	250
6052 6043	plastic	17,8x2,4		50	250
6052 60180	plastic	17,8x3,6		50	250
6052 4443	plastic	18x2,5		50	250
6052 44221	plastic	18x2,2		50	250
6052 4468	plastic	18x2		50	250
6052 8043	plastic	20x3,5		50	250
6052 8068	plastic	20x3		50	250
6052 80185	plastic	20x2,8		50	250
6052 80222	plastic	20x2,3		50	250
6052 8069	plastic	20x2,15		50	250
6052 80214	plastic	20x2		50	250
6052 80261	plastic	20x1,9		50	250

Kit for MULTILAYER pipes. Suitable for all our products with 24x19 interchangeable connections.

- adapter for multilayer pipe
- brass ring
- chrome-plated nut with 24x19 thread



ART. 6055

Code	pipe	Ø external diameter	€	box	pack
6055 902901	multilayer	11,6x1,5		50	250
6055 481156	multilayer	12x1,6		50	250
6055 48901	multilayer	12x1,8		50	250
6055 65193	multilayer	14x2		50	250
6055 46193	multilayer	15x2,5		50	250
6055 58190	multilayer	16x2		50	250
6055 58200	multilayer	16x2,25		50	250
6055 58278	multilayer	16,2x2,6		50	250
6055 150200	multilayer	16,8x2,5		50	250
6055 150810	multilayer	17x2		50	250
6055 44191	multilayer	18x2		50	250
6055 80204	multilayer	20x2		50	250
6055 80192	multilayer	20x2,25		50	250
6055 80201	multilayer	20x2,5		50	250
6055 80191	multilayer	20x2,9		50	250

Sealing compression KIT in rubber for copper pipe.

- brass pipe guide washer
- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8427

Code	pipe	size	€	box	pack
8427 10	copper	Ø 10		100	500
8427 12	copper	Ø 12		100	500
8427 14	copper	Ø 14		100	500

Sealing compression KIT in rubber for copper pipe.

- rubber compression single-taper
- brass ring
- chrome-plated nut with 24x19 thread



ART. 8429

Code	pipe	size	€	box	pack
8429 15	copper	Ø 15		100	500
8429 16	copper	Ø 16		100	500

Male fitting, brass version.
- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe

ART. 5001

Code	size	Ø pipe	€	box	pack
5001 3865193	3/8"	14x2		25	250
5001 3858190	3/8"	16x2		25	250
5001 3858200	3/8"	16x2,25		25	250
5001 3844191	3/8"	18x2		25	250
5001 3880204	3/8"	20x2		25	250
5001 3880192	3/8"	20x2,25		25	250
5001 3880201	3/8"	20x2,5		25	250
5001 1265193	1/2"	14x2		25	250
5001 1258190	1/2"	16x2		25	250
5001 1258200	1/2"	16x2,25		25	250
5001 1244191	1/2"	18x2		25	250
5001 1280204	1/2"	20x2		25	250
5001 1280192	1/2"	20x2,25		25	250
5001 1280201	1/2"	20x2,5		25	250



Code	size	Ø pipe	€	box	pack
5001 3465193	3/4"	14x2		25	250
5001 3458190	3/4"	16x2		25	250
5001 3458200	3/4"	16x2,25		25	250
5001 3444191	3/4"	18x2		25	250
5001 3480204	3/4"	20x2		25	250
5001 3480192	3/4"	20x2,25		25	250
5001 3480201	3/4"	20x2,5		25	250
5001 34219218	3/4"	25x2,5		10	100
5001 34220218	3/4"	26x3		10	100
5001 165193	1"	14x2		25	250
5001 158190	1"	16x2		25	250
5001 158200	1"	16x2,25		25	250
5001 144191	1"	18x2		25	250
5001 180204	1"	20x2		25	250
5001 180192	1"	20x2,25		25	250
5001 180201	1"	20x2,5		25	250
5001 1219218	1"	25x2,5		10	100
5001 1220218	1"	26x3		10	100
5001 1276275	1"	32x3		10	100

Female fitting, brass version.
- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe

ART. 5051

Code	size	Ø pipe	€	box	pack
5051 3865193	3/8"	14x2		25	250
5051 3858190	3/8"	16x2		25	250
5051 3858200	3/8"	16x2,25		25	250
5051 3844191	3/8"	18x2		25	250
5051 3880204	3/8"	20x2		25	250
5051 3880192	3/8"	20x2,25		25	250
5051 3880201	3/8"	20x2,5		25	250
5051 1265193	1/2"	14x2		25	250
5051 1258190	1/2"	16x2		25	250
5051 1258200	1/2"	16x2,25		25	250
5051 1244191	1/2"	18x2		25	250
5051 1280204	1/2"	20x2		25	250
5051 1280192	1/2"	20x2,25		25	250
5051 1280201	1/2"	20x2,5		25	250



Code	size	Ø pipe	€	box	pack
5051 3465193	3/4"	14x2		25	250
5051 3458190	3/4"	16x2		25	250
5051 3458200	3/4"	16x2,25		25	250
5051 3444191	3/4"	18x2		25	250
5051 3480204	3/4"	20x2		25	250
5051 3480192	3/4"	20x2,25		25	250
5051 3480201	3/4"	20x2,5		25	250
5051 34219218	3/4"	25x2,5		10	100
5051 34220218	3/4"	26x3		10	100
5051 165193	1"	14x2		25	250
5051 158190	1"	16x2		25	250
5051 158200	1"	16x2,25		25	250
5051 144191	1"	18x2		25	250
5051 180204	1"	20x2		25	250
5051 180192	1"	20x2,25		25	250
5051 180201	1"	20x2,5		25	250
5051 1219218	1"	25x2,5		10	100
5051 1220218	1"	26x3		10	100
5051 1276275	1"	32x3		10	100

Chrome-plated male fitting.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5011

Code	size	Ø pipe	€	box	pack
5011 3865193	3/8"	14x2		25	250
5011 3858190	3/8"	16x2		25	250
5011 3858200	3/8"	16x2,25		25	250
5011 3844191	3/8"	18x2		25	250
5011 3880204	3/8"	20x2		25	250
5011 3880192	3/8"	20x2,25		25	250
5011 3880201	3/8"	20x2,5		25	250
5011 1265193	1/2"	14x2		25	250
5011 1258190	1/2"	16x2		25	250
5011 1258200	1/2"	16x2,25		25	250
5011 1244191	1/2"	18x2		25	250
5011 1280204	1/2"	20x2		25	250
5011 1280192	1/2"	20x2,25		25	250
5011 1280201	1/2"	20x2,5		25	250

Code	size	Ø pipe	€	box	pack
5011 3465193	3/4"	14x2		25	250
5011 3458190	3/4"	16x2		25	250
5011 3458200	3/4"	16x2,25		25	250
5011 3444191	3/4"	18x2		25	250
5011 3480204	3/4"	20x2		25	250
5011 3480192	3/4"	20x2,25		25	250
5011 3480201	3/4"	20x2,5		25	250
5011 34219218	3/4"	25x2,5		10	100
5011 34220218	3/4"	26x3		10	100
5011 165193	1"	14x2		25	250
5011 158190	1"	16x2		25	250
5011 158200	1"	16x2,25		25	250
5011 144191	1"	18x2		25	250
5011 180204	1"	20x2		25	250
5011 180192	1"	20x2,25		25	250
5011 180201	1"	20x2,5		25	250
5011 1219218	1"	25x2,5		10	100
5011 1220218	1"	26x3		10	100
5011 1276275	1"	32x3		10	100

Chrome-plated female fitting.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5061

Code	size	Ø pipe	€	box	pack
5061 3865193	3/8"	14x2		25	250
5061 3858190	3/8"	16x2		25	250
5061 3858200	3/8"	16x2,25		25	250
5061 3844191	3/8"	18x2		25	250
5061 3880204	3/8"	20x2		25	250
5061 3880192	3/8"	20x2,25		25	250
5061 3880201	3/8"	20x2,5		25	250
5061 1265193	1/2"	14x2		25	250
5061 1258190	1/2"	16x2		25	250
5061 1258200	1/2"	16x2,25		25	250
5061 1244191	1/2"	18x2		25	250
5061 1280204	1/2"	20x2		25	250
5061 1280192	1/2"	20x2,25		25	250
5061 1280201	1/2"	20x2,5		25	250

Code	size	Ø pipe	€	box	pack
5061 3465193	3/4"	14x2		25	250
5061 3458190	3/4"	16x2		25	250
5061 3458200	3/4"	16x2,25		25	250
5061 3444191	3/4"	18x2		25	250
5061 3480204	3/4"	20x2		25	250
5061 3480192	3/4"	20x2,25		25	250
5061 3480201	3/4"	20x2,5		25	250
5061 34219218	3/4"	25x2,5		10	100
5061 34220218	3/4"	26x3		10	100
5061 165193	1"	14x2		25	250
5061 158190	1"	16x2		25	250
5061 158200	1"	16x2,25		25	250
5061 144191	1"	18x2		25	250
5061 180204	1"	20x2		25	250
5061 180192	1"	20x2,25		25	250
5061 180201	1"	20x2,5		25	250
5061 1219218	1"	25x2,5		10	100
5061 1220218	1"	26x3		10	100
5061 1276275	1"	32x3		10	100

DOUBLE fitting, brass version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5101

Code	size	Ø pipe	€	box	pack
5101 1265193	1/2"	14x2		25	250
5101 1258190	1/2"	16x2		25	250

Code	size	Ø pipe	€	box	pack
5101 1258200	1/2"	16x2,25		25	250
5101 1244191	1/2"	18x2		25	250
5101 1280204	1/2"	20x2		25	250
5101 1280192	1/2"	20x2,25		25	250
5101 1280201	1/2"	20x2,5		25	250
5101 1219218	1"	25x2,5		10	100
5101 1220218	1"	26x3		10	100

DOUBLE fitting, chrome-plated version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe

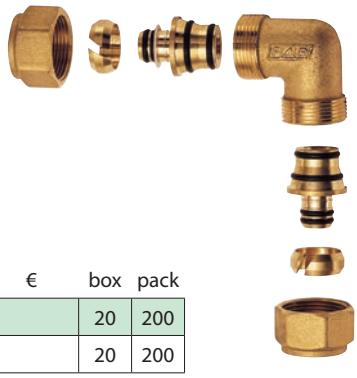


ART. 5111

Code	size	Ø pipe	€	box	pack
5111 1265193	1/2"	14x2		25	250
5111 1258190	1/2"	16x2		25	250

Code	size	Ø pipe	€	box	pack
5111 1258200	1/2"	16x2,25		25	250
5111 1244191	1/2"	18x2		25	250
5111 1280204	1/2"	20x2		25	250
5111 1280192	1/2"	20x2,25		25	250
5111 1280201	1/2"	20x2,5		25	250
5111 1219218	1"	25x2,5		10	100
5111 1220218	1"	26x3		10	100

DOUBLE elbow, brass version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe

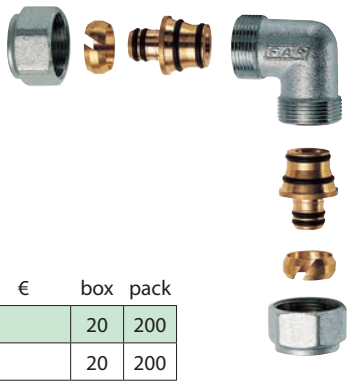


ART. 5351

Code	size	Ø pipe	€	box	pack
5351 1265193	1/2"	14x2		20	200
5351 1258190	1/2"	16x2		20	200

Code	size	Ø pipe	€	box	pack
5351 1258200	1/2"	16x2,25		20	200
5351 1244191	1/2"	18x2		20	200
5351 1280204	1/2"	20x2		20	200
5351 1280192	1/2"	20x2,25		20	200
5351 1280201	1/2"	20x2,5		20	200
5351 1219218	1"	25x2,5		10	100
5351 1220218	1"	26x3		10	100
5351 1276275	1"	32x3		10	100

DOUBLE elbow, chrome-plated version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5361

Code	size	Ø pipe	€	box	pack
5361 1265193	1/2"	14x2		20	200
5361 1258190	1/2"	16x2		20	200

Code	size	Ø pipe	€	box	pack
5361 1258200	1/2"	16x2,25		20	200
5361 1244191	1/2"	18x2		20	200
5361 1280204	1/2"	20x2		20	200
5361 1280192	1/2"	20x2,25		20	200
5361 1280201	1/2"	20x2,5		20	200
5361 1219218	1"	25x2,5		10	100
5361 1220218	1"	26x3		10	100
5361 1276275	1"	32x3		10	100

Brass male elbow.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5251

Code	size	Ø pipe	€	box	pack
5251 1265193	1/2″	14x2		25	250
5251 1258190	1/2″	16x2		25	250
5251 1258200	1/2″	16x2,25		25	250
5251 1244191	1/2″	18x2		25	250
5251 1280204	1/2″	20x2		25	250
5251 1280192	1/2″	20x2,25		25	250
5251 1280201	1/2″	20x2,5		25	250
5251 3465193	3/4″	14x2		25	250
5251 3458190	3/4″	16x2		25	250
5251 3458200	3/4″	16x2,25		25	250
5251 3444191	3/4″	18x2		25	250
5251 3480204	3/4″	20x2		25	250
5251 3480192	3/4″	20x2,25		25	250
5251 3480201	3/4″	20x2,5		25	250
5251 34219218	3/4″	25x2,5		10	100
5251 34220218	3/4″	26x3		10	100
5251 1219218	1″	25x2,5		10	100
5251 1220218	1″	26x3		10	100
5251 1276275	1″	32x3		10	100

Chrome-plated male elbow.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5261

Code	size	Ø pipe	€	box	pack
5261 1265193	1/2″	14x2		25	250
5261 1258190	1/2″	16x2		25	250
5261 1258200	1/2″	16x2,25		25	250
5261 1244191	1/2″	18x2		25	250
5261 1280204	1/2″	20x2		25	250
5261 1280192	1/2″	20x2,25		25	250
5261 1280201	1/2″	20x2,5		25	250
5261 3465193	3/4″	14x2		25	250
5261 3458190	3/4″	16x2		25	250
5261 3458200	3/4″	16x2,25		25	250
5261 3444191	3/4″	18x2		25	250
5261 3480204	3/4″	20x2		25	250
5261 3480192	3/4″	20x2,25		25	250
5261 3480201	3/4″	20x2,5		25	250
5261 34219218	3/4″	25x2,5		10	100
5261 34220218	3/4″	26x3		10	100
5261 1219218	1″	25x2,5		10	100
5261 1220218	1″	26x3		10	100
5261 1276275	1″	32x3		10	100

Brass female elbow.
- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5301

Code	size	Ø pipe	€	box	pack
5301 1265193	1/2″	14x2		25	250
5301 1258190	1/2″	16x2		25	250
5301 1258200	1/2″	16x2,25		25	250
5301 1244191	1/2″	18x2		25	250
5301 1280204	1/2″	20x2		25	250
5301 1280192	1/2″	20x2,25		25	250
5301 1280201	1/2″	20x2,5		25	250
5301 3465193	3/4″	14x2		25	250
5301 3458190	3/4″	16x2		25	250
5301 3458200	3/4″	16x2,25		25	250
5301 3444191	3/4″	18x2		25	250
5301 3480204	3/4″	20x2		25	250
5301 3480192	3/4″	20x2,25		25	250
5301 3480201	3/4″	20x2,5		25	250
5301 34219218	3/4″	25x2,5		10	100
5301 34220218	3/4″	26x3		10	100
5301 34276275	3/4″	32x3		10	100
5301 1219218	1″	25x2,5		10	100
5301 1220218	1″	26x3		10	100
5301 1276275	1″	32x3		10	100

Chrome-plated female elbow.
- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5311

Code	size	Ø pipe	€	box	pack
5311 1265193	1/2″	14x2		25	250
5311 1258190	1/2″	16x2		25	250
5311 1258200	1/2″	16x2,25		25	250
5311 1244191	1/2″	18x2		25	250
5311 1280204	1/2″	20x2		25	250
5311 1280192	1/2″	20x2,25		25	250
5311 1280201	1/2″	20x2,5		25	250
5311 3465193	3/4″	14x2		25	250
5311 3458190	3/4″	16x2		25	250
5311 3458200	3/4″	16x2,25		25	250
5311 3444191	3/4″	18x2		25	250
5311 3480204	3/4″	20x2		25	250
5311 3480192	3/4″	20x2,25		25	250
5311 3480201	3/4″	20x2,5		25	250
5311 34219218	3/4″	25x2,5		10	100
5311 34220218	3/4″	26x3		10	100
5311 34276275	3/4″	32x3		10	100
5311 1219218	1″	25x2,5		10	100
5311 1220218	1″	26x3		10	100
5311 1276275	1″	32x3		10	100

T connection with 3 outlets, brass version.

- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe

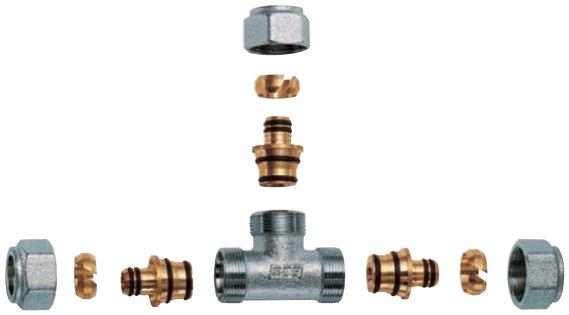


ART. 5401

Code	size	Ø pipe	€	box	pack
5401 1265193	1/2"	14x2		20	200
5401 1258190	1/2"	16x2		20	200
5401 1258200	1/2"	16x2,25		20	200
5401 1244191	1/2"	18x2		20	200
5401 1280204	1/2"	20x2		20	200
5401 1280192	1/2"	20x2,25		20	200
5401 1280201	1/2"	20x2,5		20	200
5401 1219218	1"	25x2,5		5	50
5401 1220218	1"	26x3		5	50
5401 1276275	1"	32x3		5	50

T connection with 3 outlets, chrome-plated version.

- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5411

Code	size	Ø pipe	€	box	pack
5411 1265193	1/2"	14x2		20	200
5411 1258190	1/2"	16x2		20	200
5411 1258200	1/2"	16x2,25		20	200
5411 1244191	1/2"	18x2		20	200
5411 1280204	1/2"	20x2		20	200
5411 1280192	1/2"	20x2,25		20	200
5411 1280201	1/2"	20x2,5		20	200
5411 1219218	1"	25x2,5		5	50
5411 1220218	1"	26x3		5	50
5411 1276275	1"	32x3		5	50

Female wall-mounted connection, brass version.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5551

Code	size	Ø pipe	€	box	pack
5551 1265193	1/2"	14x2		20	200
5551 1258190	1/2"	16x2		20	200
5551 1258200	1/2"	16x2,25		20	200
5551 1244191	1/2"	18x2		20	200
5551 1280204	1/2"	20x2		20	200
5551 1280192	1/2"	20x2,25		20	200
5551 1280201	1/2"	20x2,5		20	200

Female wall-mounted connection, chrome-plated version.

- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5556

Code	size	Ø pipe	€	box	pack
5556 1265193	1/2"	14x2		20	200
5556 1258190	1/2"	16x2		20	200
5556 1258200	1/2"	16x2,25		20	200
5556 1244191	1/2"	18x2		20	200
5556 1280204	1/2"	20x2		20	200
5556 1280192	1/2"	20x2,25		20	200
5556 1280201	1/2"	20x2,5		20	200

Female T connection with 2 outlets, brass version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5451

Code	size	Ø pipe	€	box	pack
5451 1265193	1/2″	14x2		20	200
5451 1258190	1/2″	16x2		20	200
5451 1258200	1/2″	16x2,25		20	200
5451 1244191	1/2″	18x2		20	200
5451 1280204	1/2″	20x2		20	200
5451 1280192	1/2″	20x2,25		20	200
5451 1280201	1/2″	20x2,5		20	200
5451 3465193	3/4″	14x2		10	100
5451 3458190	3/4″	16x2		10	100
5451 3458200	3/4″	16x2,25		10	100
5451 3444191	3/4″	18x2		10	100
5451 3480204	3/4″	20x2		10	100
5451 3480192	3/4″	20x2,25		10	100
5451 3480201	3/4″	20x2,5		10	100
5451 34219218	3/4″	25x2,5		5	50
5451 34220218	3/4″	26x3		5	50
5451 34276275	3/4″	32x3		5	50
5451 1219218	1″	25x2,5		5	50
5451 1220218	1″	26x3		5	50
5451 1276275	1″	32x3		5	50

Female T connection with 2 outlets, chrome-plated version.
- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5461

Code	size	Ø pipe	€	box	pack
5461 1265193	1/2″	14x2		20	200
5461 1258190	1/2″	16x2		20	200
5461 1258200	1/2″	16x2,25		20	200
5461 1244191	1/2″	18x2		20	200
5461 1280204	1/2″	20x2		20	200
5461 1280192	1/2″	20x2,25		20	200
5461 1280201	1/2″	20x2,5		20	200
5461 3465193	3/4″	14x2		10	100
5461 3458190	3/4″	16x2		10	100
5461 3458200	3/4″	16x2,25		10	100
5461 3444191	3/4″	18x2		10	100
5461 3480204	3/4″	20x2		10	100
5461 3480192	3/4″	20x2,25		10	100
5461 3480201	3/4″	20x2,5		10	100
5461 34219218	3/4″	25x2,5		5	50
5461 34220218	3/4″	26x3		5	50
5461 34276275	3/4″	32x3		5	50
5461 1219218	1″	25x2,5		5	50
5461 1220218	1″	26x3		5	50
5461 1276275	1″	32x3		5	50

Male T connection with 2 outlets , brass version.

- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5501

Code	size	Ø pipe	€	box	pack
5501 1265193	1/2"	14x2		20	200
5501 1258190	1/2"	16x2		20	200
5501 1258200	1/2"	16x2,25		20	200
5501 1244191	1/2"	18x2		20	200
5501 1280204	1/2"	20x2		20	200
5501 1280192	1/2"	20x2,25		20	200
5501 1280201	1/2"	20x2,5		20	200

Male T connection with 2 outlets, chrome-plated version.

- Fitting body in CW617N forged brass
- Complete with adapters for multilayer pipe



ART. 5511

Code	size	Ø pipe	€	box	pack
5511 1265193	1/2"	14x2		20	200
5511 1258190	1/2"	16x2		20	200
5511 1258200	1/2"	16x2,25		20	200
5511 1244191	1/2"	18x2		20	200
5511 1280204	1/2"	20x2		20	200
5511 1280192	1/2"	20x2,25		20	200
5511 1280201	1/2"	20x2,5		20	200

Brass bent connection for domestic services.

- Fixing holes for ART. 9001
- Fitting body in CW617N forged brass
- Complete with adapter for multilayer pipe



ART. 5601

Code	size	Ø pipe	€	box	pack
5601 1265193	1/2"	14x2		20	200
5601 1258190	1/2"	16x2		20	200
5601 1258200	1/2"	16x2,25		20	200
5601 1244191	1/2"	18x2		20	200
5601 1280204	1/2"	20x2		20	200
5601 1280192	1/2"	20x2,25		20	200
5601 1280201	1/2"	20x2,5		20	200

SIMPLYFAR - Chrome plated extensible and repair joint

- Body made of brass CW614N
- Interchangeable connections for copper, plastic and multilayer pipes
- EPDM double sealing O-ring
- Suitable for underfloor installation

SIMPLYFAR



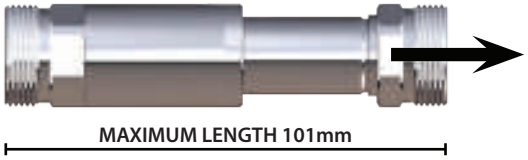
ART. 8880

ATTACCO 24x19 CONNECTION

Code	extension	size	€	box	pack
8880 30	72-101 mm	24x19		5	-

The extensible FAR connection with interchangeable connections can be used as a repair joint in case of leaks or damaged pipes and, if needed, as an extension with a maximum expansion of 101 mm.



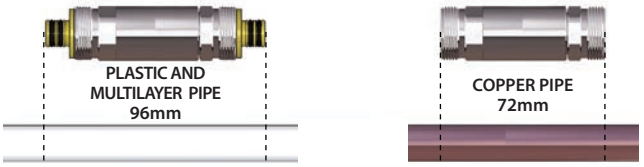


INSTALLATION

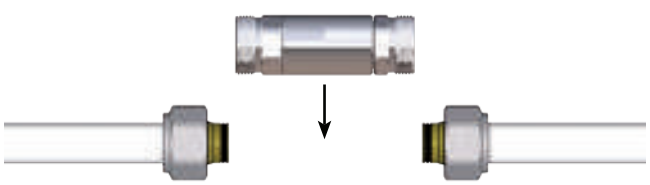
1 Find the leakage on the pipe



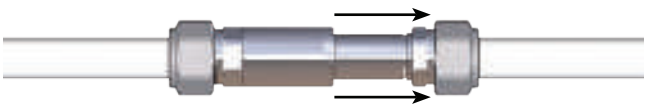
2 Cut the portion of damaged pipe taking the following dimensions as a reference.



3 Insert the adapters and place the joint.



4 Extend the joint until it's completely screwed in and connect it to the pipe



Brass elbow with female connections.
- Body made of CW617N forged brass
- BSP threading



ART. 5255

Code	size	€	box	pack
5255 12	1/2″		-	-
5255 34	3/4″		-	-
5255 1	1″		-	-
5255 114	1″1/4		-	-
5255 112	1″1/2		-	-
5255 2	2″		-	-

Brass "T" fitting with female connections.
- Body made of CW617N forged brass
- BSP threading



ART. 5405

Code	size	€	box	pack
5405 12	1/2″		-	-
5405 34	3/4″		-	-
5405 1	1″		-	-
5405 114	1″1/4		-	-
5405 112	1″1/2		-	-
5405 2	2″		-	-

Code	Description	size	gasket	€	box
5000 38G18	BRASS MALE FITTING	3/8"x18	Rubber		50
5000 12G18	BRASS MALE FITTING	1/2"x18	Rubber		50
5000 34G18	BRASS MALE FITTING	3/4"x18	Rubber		25
5000 34G20	BRASS MALE FITTING	3/4"x20	Rubber		25
5000 34G22	BRASS MALE FITTING	3/4"x22	Rubber		25
5000 1G18	BRASS MALE FITTING	1"x18	Rubber		25
5000 1G20	BRASS MALE FITTING	1"x20	Rubber		25
5000 1G22	BRASS MALE FITTING	1"x22	Rubber		25
5010 38G18	CHROME-PLATED MALE FITTING	3/8"x18	Rubber		50
5010 12G18	CHROME-PLATED MALE FITTING	1/2"x18	Rubber		50
5010 34G18	CHROME-PLATED MALE FITTING	3/4"x18	Rubber		25
5010 34G20	CHROME-PLATED MALE FITTING	3/4"x20	Rubber		25
5010 34G22	CHROME-PLATED MALE FITTING	3/4"x22	Rubber		25
5010 1G18	CHROME-PLATED MALE FITTING	1"x18	Rubber		25
5010 1G20	CHROME-PLATED MALE FITTING	1"x20	Rubber		25
5010 1G22	CHROME-PLATED MALE FITTING	1"x22	Rubber		25
5050 38G18	BRASS FEMALE FITTING	3/8"x18	Rubber		50
5050 12G18	BRASS FEMALE FITTING	1/2"x18	Rubber		50
5050 34G18	BRASS FEMALE FITTING	3/4"x18	Rubber		25
5050 34G20	BRASS FEMALE FITTING	3/4"x20	Rubber		25
5050 34G22	BRASS FEMALE FITTING	3/4"x22	Rubber		25
5050 1G18	BRASS FEMALE FITTING	1"x18	Rubber		25
5050 1G20	BRASS FEMALE FITTING	1"x20	Rubber		25
5050 1G22	BRASS FEMALE FITTING	1"x22	Rubber		25
5060 38G18	CHROME-PLATED FEMALE FITTING	3/8"x18	Rubber		50
5060 12G18	CHROME-PLATED FEMALE FITTING	1/2"x18	Rubber		50
5060 34G18	CHROME-PLATED FEMALE FITTING	3/4"x18	Rubber		25
5060 34G20	CHROME-PLATED FEMALE FITTING	3/4"x20	Rubber		25
5060 34G22	CHROME-PLATED FEMALE FITTING	3/4"x22	Rubber		25
5060 1G18	CHROME-PLATED FEMALE FITTING	1"x18	Rubber		25
5060 1G20	CHROME-PLATED FEMALE FITTING	1"x20	Rubber		25
5060 1G22	CHROME-PLATED FEMALE FITTING	1"x22	Rubber		25
5100 12G18	BRASS DOUBLE FITTING	1/2"x18	Rubber		25
5100 34G20	BRASS DOUBLE FITTING	3/4"x20	Rubber		15
5100 34G22	BRASS DOUBLE FITTING	3/4"x22	Rubber		15
5110 12G18	CHROME-PLATED DOUBLE FITTING	1/2"x18	Rubber		25
5110 34G20	CHROME-PLATED DOUBLE FITTING	3/4"x20	Rubber		15
5110 34G22	CHROME-PLATED DOUBLE FITTING	3/4"x22	Rubber		15
5250 12G18	BRASS MALE ELBOW	1/2"x18	Rubber		25
5250 34G18	BRASS MALE ELBOW	3/4"x18	Rubber		25
5250 34G20	BRASS MALE ELBOW	3/4"x20	Rubber		20
5250 34G22	BRASS MALE ELBOW	3/4"x22	Rubber		20
5250 1G18	BRASS MALE ELBOW	1"x18	Rubber		15
5250 1G20	BRASS MALE ELBOW	1"x20	Rubber		15
5250 1G22	BRASS MALE ELBOW	1"x22	Rubber		15
5260 12G18	CHROME-PLATED MALE ELBOW	1/2"x18	Rubber		25
5260 34G18	CHROME-PLATED MALE ELBOW	3/4"x18	Rubber		25
5260 34G20	CHROME-PLATED MALE ELBOW	3/4"x20	Rubber		20
5260 34G22	CHROME-PLATED MALE ELBOW	3/4"x22	Rubber		20
5260 1G18	CHROME-PLATED MALE ELBOW	1"x18	Rubber		15
5260 1G20	CHROME-PLATED MALE ELBOW	1"x20	Rubber		15
5260 1G22	CHROME-PLATED MALE ELBOW	1"x22	Rubber		15
5300 12G18	BRASS FEMALE ELBOW	1/2"x18	Rubber		25
5300 34G18	BRASS FEMALE ELBOW	3/4"x18	Rubber		25

Code	Description	size	gasket	€	box
5300 34G20	BRASS FEMALE ELBOW	3/4″x20	Rubber		20
5300 34G22	BRASS FEMALE ELBOW	3/4″x22	Rubber		20
5300 1G18	BRASS FEMALE ELBOW	1″x18	Rubber		15
5300 1G20	BRASS FEMALE ELBOW	1″x20	Rubber		15
5300 1G22	BRASS FEMALE ELBOW	1″x22	Rubber		15
5310 12G18	CHROME-PLATED FEMALE ELBOW	1/2″x18	Rubber		25
5310 34G18	CHROME-PLATED FEMALE ELBOW	3/4″x18	Rubber		25
5310 34G20	CHROME-PLATED FEMALE ELBOW	3/4″x20	Rubber		20
5310 34G22	CHROME-PLATED FEMALE ELBOW	3/4″x22	Rubber		20
5310 1G18	CHROME-PLATED FEMALE ELBOW	1″x18	Rubber		15
5310 1G20	CHROME-PLATED FEMALE ELBOW	1″x20	Rubber		15
5310 1G22	CHROME-PLATED FEMALE ELBOW	1″x22	Rubber		15
5350 12G18	BRASS DOUBLE ELBOW	1/2″x18	Rubber		25
5350 34G20	BRASS DOUBLE ELBOW	3/4″x20	Rubber		10
5350 34G22	BRASS DOUBLE ELBOW	3/4″x22	Rubber		10
5360 12G18	CHROME-PLATED DOUBLE ELBOW	1/2″x18	Rubber		25
5360 34G20	CHROME-PLATED DOUBLE ELBOW	3/4″x20	Rubber		10
5360 34G22	CHROME-PLATED DOUBLE ELBOW	3/4″x22	Rubber		10
5400 12G18	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	1/2″x18	Rubber		10
5400 34G20	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4″x20	Rubber		10
5400 34G22	BRASS "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4″x22	Rubber		10
5410 12G18	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	1/2″x18	Rubber		10
5410 34G20	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4″x20	Rubber		10
5410 34G22	CHROME-PLATED "T" CONNECTION WITH 3 SINGLE-TAPERS	3/4″x22	Rubber		10
5450 12G18	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2″x18	Rubber		20
5450 34G18	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x18	Rubber		20
5450 34G20	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x20	Rubber		10
5450 34G22	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x22	Rubber		10
5450 1G22	BRASS FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1″x22	Rubber		10
5460 12G18	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2″x18	Rubber		20
5460 34G18	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x18	Rubber		20
5460 34G20	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x20	Rubber		10
5460 34G22	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	3/4″x22	Rubber		10
5460 1G22	CHROME-PLATED FEMALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1″x22	Rubber		10
5500 12G18	BRASS MALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2″x18	Rubber		20
5510 12G18	CHROME-PLATED MALE "T" CONNECTION WITH 2 SINGLE-TAPERS	1/2″x18	Rubber		20
5550 12G18	BRASS FEMALE WALL CONNECTION	1/2″x18	Rubber		20
5555 12G18	CHROME-PLATED FEMALE WALL CONNECTION	1/2″x18	Rubber		20
5555 34G18	CHROME-PLATED FEMALE WALL CONNECTION	3/4″x18	Rubber		20



Spare parts 11

Spare parts 299

Manual control for all thermostatic valves.
- Handle and support included



ART. 1950

Code	€	box
1950		10

Regulating handle for radiator valves (Art. 1050-1250-1150-1350).



ART. 8100

Code	size	€	box
8100 1238	1/2"-3/8"		10
8100 34	3/4"		10
8100 1	1"		10

Handle for manual single-pipe valves (Art. 1455-1463-1473).



ART. 8110

Code	€	box
8110		10

Regulating handle for Art. 1450.



ART. 8125

Code	€	box
8125		10

Regulating handle Art. 1451.



ART. 8126

Code	€	box
8126		10

Regulating handle for Art. 1550.



ART. 8130

Code	€	box
8130		10

Manual control for filling unit (Art. 2100-2105-2106-2110).



ART. 8140

Code	€	box
8140		10

Manual control for MULTIFAR manifolds.



ART. 8980

Code	€	box
8980		10

Manual control for THERMO-ELECTRIC manifolds.



ART. 8990

Code	€	box
8990		10

Manual control for thermostatic mixer
- Art. 8120 N (Art. 3950-3951-3956-3957-2167-2174-2178-2184)
- Art. 8120 A (Art. 3953-3954-3955)



ART. 8120

Code	colour	€	box
8120 N	black		10
8120 A	orange		10

Kit omplete with handle, discs and screws for START manifolds - Art. 3874 and MULTIFAR manifolds, 1"1/4 size - Art. 3827.



ART. 8986

Code	€	box
8986 0322		10

Chrome-plated covering cap for articles: (Art.1116-1117-1126-1127-1136-1137-1146-1147-1420-1430-1431-1432-1433-1435-1436-1437-1438-3458-3459-3859-3860-3869-3870-3872-3873-3875-3876-3900-3901-3906-3920-3927).



ART. 8405

Code	€	box
8405		10

Chrome-plated covering cap in stamped brass for: (Art.1100-1111-1200-1211-1300-1311-1400-1411).



ART. 8400

Code	size	€	box
8400 1238	1/2"-3/8"		10
8400 34	3/4"		10
8400 1	1"		10

Plastic covering cap for: (Art.1421-1422-1423-1424-1481-1482-1483-1484-1105-1215-1305-1415).



ART. 8406

Code	€	box
8406		10

Brass body for thermostatic valves.



ART. 9000

Code	€	box
9000		10

Stainless steel pin with O-ring for thermostatic valve body and thermo-electric manifolds.



ART. 9050

Code	€	box
9050		10

Brass body for thermostatic valves with presetting.



ART. 9006

Code	€	box
9006		10

Brass body for manual valves.
(Art. 1050-1051-1150-1151)
(Art. 1250-1251-1350-1351)



ART. 9010

Code	size	€	box
9010 1238	1/2" - 3/8"		10
9010 34	3/4"		10

Brass body for lockshield valves.
(Art. 1100-1111-1200-1211)
(Art. 1300-1311-1400-1411)



ART. 9205

Code	size	€	box
9205 1238	1/2" - 3/8"		10
9205 34	3/4"		10

Brass body for thermostatic SINGLE/DOUBLE PIPE valves with adjustable centre distance.
(Art. 1425-1428)



ART. 9009

Code	€	box
9009		10

Brass body for thermo-electric manifolds.



ART. 9140

Code	€	box
9140		10

Brass body for MULTIFAR manifolds with manual control.



ART. 9150

Code	€	box
9150		10

Brass body for MULTIFAR manifolds with built-in regulating valves.



ART. 9200

Code	€	box
9200		10

Brass balancing lockshield valve body for thermo-electric and MULTIFAR manifolds.



ART. 9203

Code	€	box
9203		10

Brass body for START manifolds.



ART. 9145

Code	size	€	box
9145 114112	1"1/4 - 1"1/2		10
9145 2	2"		10

Flow separator for SINGLE-PIPE thermostatic valves. (Art. 1420)
- Complete with EPDM gasket



ART. 8229

Code	€	box
8229		10

Flow separator for Art.1450-1462-1472-1500.
- Complete with EPDM gasket



ART. 8200

Code	€	box
8200		10

Flow separator for reversible union, Art. 8335-8336.



ART. 8220

Code	€	box
8220		10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves.
(Art.1425-1430-1442-1455-1456-1463-1473)
- Complete with EPDM gasket



ART. 8225

Code	€	box
8225		10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves (Art.1438).
- Complete with EPDM gasket



ART. 8226

Code	€	box
8226		10

Flow separator for SINGLE-PIPE manual valves. (Art. 1451-1452).
- Complete with EPDM gasket



ART. 8227

Code	€	box
8227		10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves with adjustable centre distance (Art.1428).
- Complete with EPDM gasket



ART. 8228

Code	€	box
8228		10

Flow separator for DOUBLE-PIPE valves (Art.1431-1432-1433)



ART. 8230

Code	€	box
8230		10

Flow separator for DOUBLE-PIPE and SINGLE-PIPE valves.
(Art. 1435-1436-1437)



ART. 8231

Code	€	box
8231		10

Nut, brass version.



ART. 8240

Code	size	€	box
8240 12	1/2"		10
8240 34	3/4"		10
8240 1	1"		10
8240 114	1"1/4		10
8240 112	1"1/2		10
8240 2	2"		10
8240 214	2"1/4		10

Size 1/2"	for Art.	5140-5150-5190-5200	size 3/8"
Size 3/4"	for Art.	5140-5150-5190-5200-2100	size 1/2"
Size 1"	for Art.	5140-5150-5190-5200	size 3/4"
Size 1"1/4	for Art.	5140-5150-5190-5200	size 1"
Size 1"1/2	for Art.	5140-5150-5190-5200	size 1"1/4
Size 2"	for Art.	5140-5150-5190-5200	size 1"1/2
Size 2"1/4	for Art.	5140-5150-5190-5200	size 2"

Nut, chrome-plated version.

- Size 1" for Art. 1420 - 1425- 1428 - 1430



ART. 8250

Code	size	€	box
8250 12	1/2"		10
8250 34	3/4"		10
8250 1	1"		10
8250 114	1"1/4		10
8250 112	1"1/2		10
8250 2	2"		10
8250 214	2"1/4		10

Chrome-plated nut in stamped brass for SINGLE-PIPE and DOUBLE-PIPE thermostatic valves (Art. 1433-1435-1436-1437).



ART. 8253

Code	size	€	box
8253 34	3/4"		10

Chrome-plated nut in stamped brass for Art. 1450-1462-1472-1500.



ART. 8150

Code	size	€	box
8150	1"1/4		10

Chrome-plated nut in brass for manual valves, lockshield valves and thermostatic valves.

- Art. 8260 12 for 3/8" valves
- Art 8260 34 for 1/2" valves
- Art. 8260 1 for 3/4" valves



ART. 8260

Code	thread nut	€	box
8260 12	M22x1,5		10
8260 34	M26x1,5		10
8260 1	M34x1,5		10

Nut for 24x19 threaded copper pipe connections, brass version.



ART. 8270

Code	size	€	box
8270 16	Ø 16		10
8270 18	Ø 18		10
8270 20	Ø 20		10

Chrome-plated nut in stamped brass for 24x19 threaded copper pipe connections.



ART. 8280

Code	size	€	box
8280 16	Ø 16		10
8280 18	Ø 18		10
8280 20	Ø 20		10

Chrome-plated plug for manual valves, lockshield valves and thermostatic valves. Complete with gasket.



ART. 4110

Code	size	€	box
4110 12	1/2"		10
4110 34	3/4"		10

Chrome-plated connection in stamped brass for Art. 1450.

- D = RIGHT THREAD
- S = LEFT THREAD



ART. 8300

Code	probe	size	€	box
8300 1212	Ø 12	1/2"		10
8300 3412	Ø 12	3/4"		10
8300 3414	Ø 14	3/4"		10
8300 114D	Ø 14	1"		10
8300 114S	Ø 14	1"		10

Chrome-plated connection in stamped brass for Art. 1450 for bent probe (Art. 8050-8051).



ART. 8310

Code	size	€	box
8310 12	1/2"		10

Chrome-plated connection in stamped brass for Art. 1420 - 1425- 1428 - 1430 -1438 size 1".

- D = RIGHT THREAD
- S = LEFT THREAD



ART. 8324

Code	probe	size	€	box
8324 1D	Ø 12	1"		10
8324 1S	Ø 12	1"		10

Chrome-plated connection in stamped brass for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves. (Art.1420-1425-1428-1430-1438-1451-1455-1456)



ART. 8325

Code	size	€	box
8325 12	1/2"		10
8325 34	3/4"		10

Chrome-plated connection in stamped brass for DOUBLE-PIPE and SINGLE-PIPE thermostatic valves (Art.1420-1425-1428-1430-1438-1451-1455-1456)

- to be used with bent curve probe (Art. 8050- 8051)



ART. 8326

Code	size	€	box
8326 12	1/2"		10

Chrome-plated connection in stamped brass for SINGLE-PIPE and DOUBLE-PIPE thermostatic valves (Art. 1433-1435-1436-1437).



ART. 8327

Code	size	€	box
8327 12	1/2"		10

Brass flat-faced terminal for pressure reducing valves and strainers.



ART. 8770

Code	size	€	box
8770 12	1/2"		10
8770 34	3/4"		10
8770 1	1"		10
8770 114	1"1/4		10
8770 112	1"1/2		10
8770 2	2"		10

Chrome-plated flat faced terminal for zone valves, filling units, pressure reducing valves and strainers for domestic systems.



ART. 8780

Code	size	€	box
8780 12	1/2"		10
8780 34	3/4"		10
8780 1	1"		10
8780 114	1"1/4		10
8780 112	1"1/2		10
8780 2	1"1/4		10

Terminal provided with EPDM gasket with nut.



ART. 8783

Code	terminal size	thread nut	€	box
8783 38	3/8"	M22x1,5		10
8783 12	1/2"	M26x1,5		10
8783 34	3/4"	M34x1,5		10

Brass terminal for 3-piece connections.



ART. 8790

Code	size	€	box
8790 38	3/8"		10
8790 12	1/2"		10
8790 34	3/4"		10
8790 1	1"		10
8790 114	1"1/4		10
8790 112	1"1/2		10
8790 2	2"		10

Chrome-plated terminal for 3-piece connections.



ART. 8800

Code	size	€	box
8800 38	3/8"		10
8800 12	1/2"		10
8800 34	3/4"		10
8800 1	1"		10
8800 114	1"1/4		10
8800 112	1"1/2		10
8800 2	2"		10

Terminal provided with Loctite® Dri-Seal® 5061 for valves and lockshield valves.



ART. 8803

Code	size	€	box
8803 38	3/8"		10
8803 12	1/2"		10

1/2" brass reduction connection for strainer, ART. 3930 34.

- For 1" nut



ART. 8781

Code	size	€	box
8781 12	1/2"		10

Chrome-plated 1/2" reduction connection for strainer, ART. 3932 34.

- For 1" nut



ART. 8782

Code	size	€	box
8782 12	1/2"		10

Chrome-plated 3/8" reduction connection for valve body, 1/2" size.
(Art. 1116 38 - 1117 38 -1126 38 -1127 38
1615 38 - 1616 38 - 1617 38 - 1626 38 - 1627 38)



ART. 0405

Code	size	€	box
0405 38	3/8"		10

M6 STAINLESS STEEL screw for flanged manifolds and supports for metal brackets.



ART. 8560

Code	€	box
8560		10

Allen screw for coplanar manifold. (Art.3750-3751).



ART. 8550

Code	€	box
8550		10

STAINLESS STEEL self-tapping screws for "TUTTO" boxes, supports for manifold and ACQUAFAR fittings.

- 8555 10 for Art. 5650-5700-5750-5840-5845-5850
- 8555 32 for Art. 7480-7490-7500-7510-7550
- 8555 38 for Art. 6140-6141-7410-7420-7425-7450-7460



ART. 8555

Code	length/mm	Ø	€	box
8555 10	10	3,9		10
8555 32	32	3,9		10
8555 38	38	3,9		10

Chrome-plated screw for regulating handle (Art. 8100-8125-8130-8126-8980-8981).



ART. 8750

Code	size	€	box
8750	3/16		10

Pipe guide brass washer for copper pipe.



ART. 8575

Code	size	€	box
8575 10	Ø 10		10
8575 12	Ø 12		10
8575 14	Ø 14		10

Reduction in brass for copper pipe locking.



ART. 8600

Code	size	€	box
8600 10	Ø 10		10
8600 12	Ø 12		10
8600 14	Ø 14		10
8600 15	Ø 15		10
8600 16	Ø 16		10
8600 18	Ø 18		10
8600 20	Ø 20		10
8600 22	Ø 22		10

Reduced reduction in brass for copper pipe locking for Art. 5065-5075-5080-5085-5090.



ART. 8625

Code	size	€	box
8625 8	Ø 8		10
8625 10	Ø 10		10
8625 12	Ø 12		10

Brass pipe clamping ring for fittings for plastic and multilayer pipe.



ART. 6070

Code	size	€	box
6070 58	Ø 16		10
6070 80	Ø 20		10

Sealing seats for 3-piece connections.



ART. 8700

Code	size	€	box
8700 38	3/8"		10
8700 12	1/2"		10
8700 34	3/4"		10
8700 1	1"		10
8700 114	1"1/4		10
8700 112	1"1/2		10
8700 2	2"		10

EPDM gasket for zone valves, filling units, pressure reducing valves and strainers for domestic systems.



ART. 8722

Code	size	€	box
8722 12	1/2'		10
8722 34	3/4"		10
8722 1	1"		10
8722 114	1"1/4		10
8722 112	1"1/2		10
8722 2	2"		10
8722 214	2"1/4		10

Spare gasket.

- Code 8724 30 for Art. 8225
- Code 8724 39 for Art. 8200



ART. 8724

Code	size	€	box
8724 30	Ø 30		-
8724 39	Ø 39		-

Gold gasket for zone valves, filling units, pressure reducing valves and strainers for domestic systems.



ART. 8725

Code	size	€	box
8725 34	3/4"		10
8725 1	1"		10
8725 114	1"1/4		10
8725 112	1"1/2		10

Plastic lever for actuator complete with screw.



ART. 8977

Code	colour	€	box
8977 N	black		-

Sealing washer in nylon for blind plugs.
(Art. 4000-4099-4100)



ART. 8727

Code	size	€	box
8727 12	1/2"		10
8727 34	3/4"		10
8727 1	1"		10
8727 114	1"1/4		10
8727 112	1"1/2		10
8727 2	2"		10

Filter for filling unit
(Art. 2100 -2105 - 2106 - 2110).



ART. 8500

Code	€	box
8500		10

Rubber compression single-taper for copper pipe.



ART. 8450

Code	size	€	box
8450 10	Ø 10		10
8450 12	Ø 12		10
8450 14	Ø 14		10
8450 15	Ø 15		10
8450 16	Ø 16		10
8450 18	Ø 18		10
8450 20	Ø 20		10
8450 22	Ø 22		10

Compression reduced single-taper in rubber for copper pipe for Art. 5065-5070-5075 5080-5085-5090.



ART. 8475

Code	size	€	box
8475 8	Ø 8		10
8475 10	Ø 10		10
8475 12	Ø 12		10

Spare O-ring.

- 8350 1877 for Art 6002
- 8350 192 for Art 6002
- 8350 2824 for Art 3750-3751 size: 3/4"
- 8350 3459 for Art 3750-3710-3410-3441-3443-3445-3916-3915-3914-3751 size: 1"

ART. 8350

Code	size	€	box
8350 1877	18,77x1,78		10
8350 192	19x2		10
8350 2824	28,24x2,62		10
8350 3459	34,59x2,62		10



Kit for MULTIFAR manifolds complete with handle, discs and screws.



ART. 8985

Code	€	box
8985 0316		1

BLUE-RED double face disc for MULTIFAR manifolds.



ART. 8950

Code	€	box
8950 03		10

Double face disc for manifolds with descriptions for domestic and heating systems.



ART. 8975

Code	€	box
8975 16		10

Silk-screen printed disc for Art. 1550.



ART. 8655

Code	€	box
8655		10

Threaded metal probe for single-pipe valves.



ART. 8000

Code	length/cm	Ø	€	box
8000 1045	45	10		1
8000 1070	70	10		1
8000 10100	100	10		1
8000 1245	45	12		1
8000 1270	70	12		1
8000 12100	100	12		1
8000 1445	45	14		1
8000 1470	70	14		1
8000 14100	100	14		1

Single-panel bent probe for panel radiators.



ART. 8050

Code	type	Ø	€	box
8050	1 rank	11		1

Double-panel bent probe for panel radiators.



ART. 8051

Code	type	Ø	€	box
8051	2 ranks	11		1

Polygonal open wrench for 27 hexagon nuts.
- galvanized finish



ART. 6000

Code	size	€	box
6000	HEX 27		1

Case complete with:
- Polygonal wrench for 27 hexagonal nuts
- Ratchet wrench for 3/8"-1/2"-3/4" terminals



ART. 7405

Code	€	box
7405		1

Double hexagonal wrench for 30-38 hexagon nuts.
- galvanized finish



ART. 6001

Code	size	€	box
6001	HEX 30-38		1

Polygonal open wrench for 27-30 hexagon nuts.
- galvanized finish
- CH 27 for 24x19 nuts
- CH 30 for 3/4" nuts for eurokonus adapters



ART. 6004

Code	size	€	box
6004	HEX 27-30		1

Allen key for regulation of lockshield valves and fixing terminals to radiators.
- Hex. 5 wrench : Coplanar manifolds
- Hex. 9 wrench : 3/8" terminal
- Hex. 13 wrench : 1/2" terminal



ART. 6250

Code	size	€	box
6250 5	HEX 5		1
6250 9	HEX 9		1
6250 13	HEX 13		1

Key with square head for air vent valves
Art. 6010-6020



ART. 6300

Code	size	€	box
6300	□5		1



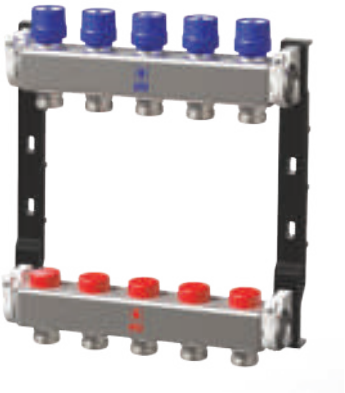
FAR flow evolution

Manifolds with Eurokonus or flat faced connection 12

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PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with lockshield valves for circuits balancing
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1

- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- Inlet: 1" female-female
- Connections: 3/4" male EUROKONUS
- Centre distance between ports: 50mm

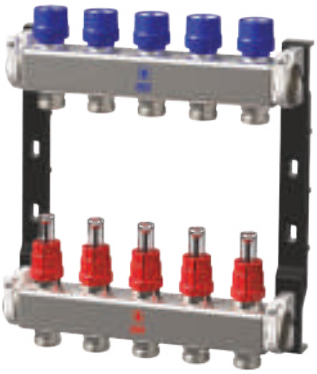


ART. 3988

Code	outlets	size	€	box
3988 103	3	1"x3/4"		1
3988 104	4	1"x3/4"		1
3988 105	5	1"x3/4"		1
3988 106	6	1"x3/4"		1
3988 107	7	1"x3/4"		1
3988 108	8	1"x3/4"		1
3988 109	9	1"x3/4"		1
3988 110	10	1"x3/4"		1
3988 111	11	1"x3/4"		1
3988 112	12	1"x3/4"		1
3988 113	13	1"x3/4"		1

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1

- Nominal pressure: 6 bar
- Max. working temperature: 70°C
- Inlet: 1" female-female
- Connections: 3/4" male EUROKONUS
- Flowmeters range: 1-5 l/min
- Centre distance between ports: 50mm



ART. 3998

Code	outlets	size	€	box
3998 103	3	1"x3/4"		1
3998 104	4	1"x3/4"		1
3998 105	5	1"x3/4"		1
3998 106	6	1"x3/4"		1
3998 107	7	1"x3/4"		1
3998 108	8	1"x3/4"		1
3998 109	9	1"x3/4"		1
3998 110	10	1"x3/4"		1
3998 111	11	1"x3/4"		1
3998 112	12	1"x3/4"		1
3998 113	13	1"x3/4"		1

Chrome-plated fitting.
- Size: 1" male-male
- O-ring in EPDM-P



ART. 4304

Code	size	€	box
4304 1	1"		1

End plug with sealing O-Ring for manifolds.
- O-ring in EPDM-P



ART. 4150

Code	size	€	box	pack
4150 1	1"		1	250

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with lockshield valves for circuits balancing
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1
- manual air vent valve
- adjustable drain valve with hose connection

- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- Inlet: 1" female-female
- Connections: 3/4" male EUROKONUS
- Centre distance between ports: 50mm



ART. 398R

Code	outlets	size	€	box
398R 102	2	1"x3/4"		1
398R 103	3	1"x3/4"		1
398R 104	4	1"x3/4"		1
398R 105	5	1"x3/4"		1
398R 106	6	1"x3/4"		1
398R 107	7	1"x3/4"		1
398R 108	8	1"x3/4"		1
398R 109	9	1"x3/4"		1
398R 110	10	1"x3/4"		1
398R 111	11	1"x3/4"		1
398R 112	12	1"x3/4"		1

PRE-ASSEMBLED manifold in AISI 304 steel complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves, suitable for thermo-electric actuator
- fixing brackets Art. 7483 1
- manual air vent valve
- adjustable drain valve with hose connection

- Nominal pressure: 6 bar
- Max. working temperature: 70°C
- Inlet: 1" female-female
- Connections: 3/4" male EUROKONUS
- Flowmeters range: 1-5 l/min
- Centre distance between ports: 50mm



ART. 399R

Code	outlets	size	€	box
399R 102	3	1"x3/4"		1
399R 103	4	1"x3/4"		1
399R 104	5	1"x3/4"		1
399R 105	6	1"x3/4"		1
399R 106	7	1"x3/4"		1
399R 107	8	1"x3/4"		1
399R 108	9	1"x3/4"		1
399R 109	10	1"x3/4"		1
399R 110	11	1"x3/4"		1
399R 111	12	1"x3/4"		1
399R 112	13	1"x3/4"		1

TEMPERATURE GAUGE HOLDER ball valve, for manifolds connection.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Male connection with EPDM O-Ring, compatible only with FAR manifolds
- Designed for installation of temperature gauge, art. 2653



ART. 3058

Code	size	handle	€	box	pack
3058 1B	1"F x 1"M	blue		10	50
3058 1R	1"F x 1"M	red		10	50

Ø 40 mm bimetallic temperature gauge
- Temperature scale: 0÷80°C - 0÷120°C
- 36 mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240

Additional connection for supply manifold with flowmeters.
- Flowmeter and flow rate balancing valves for circuits balancing
- Flowmeter range: 0-5 l/min
- Size: 1" male
- Connections: 3/4" male EUROKONUS



ART. 342F

Code	size	€	box
342F 134EU	1"x3/4"		1

Additional connection for return manifold with shut-off valves.
- Shut-off valves suitable for thermo-electric actuator
- Size: 1" male
- Connections: 3/4" male EUROKONUS



ART. 342V

Code	size	€	box
342V 134EU	1"x3/4"		1

Chrome-plated terminal connection complete with manual air vent valve and swiveling drain valve with hose holder.
- Nominal pressure: 10 bar
- Max. working temperature: 95°C
- O-ring in EPDM-P
- Size: 1" male



ART. 4073

Code	size	€	box
4073 112	1"		1

Additional connection for supply manifold with lockshield valves for circuits balancing.
- Lockshield valve for circuits balancing
- Size: 1" male
- Connections: 3/4" male EUROKONUS



ART. 342D

Code	size	€	box
342D 134EU	1"x3/4"		1

Chrome-plated terminal connection complete with automatic air vent valve and swiveling drain valve with hose holder.
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 95°C
- O-ring in EPDM-P
- Size: 1" male



ART. 4072

Code	size	€	box
4072 112	1"		1

Liquid crystal adhesive temperature gauge.
- Temperature scale: 10÷40°C



ART. 2654

Code	temperature scale	€	box
2654 1040	10÷40 °C		1

Adjustable drain valve with hose connection for steel manifolds.



ART. 6016

Code	size	€	box	pack
6016 12	1/2"		1	

PRE-ASSEMBLED manifold in PA66 reinforced composite material complete with:
- supply manifold with flowmeters and flow rate balancing valves
- return manifold with shut-off valves suitable for thermo-electric actuator
- fixing brackets Art. 7482

- Inlet: 1"1/2 male-female
- Connections: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



new

ART. 3974

ATTACCO EUROKONUS CONNECTION

Code	outlets	size	€	box
3974 11203	3	1"1/2x3/4"		1
3974 11204	4	1"1/2x3/4"		1
3974 11205	5	1"1/2x3/4"		1
3974 11206	6	1"1/2x3/4"		1
3974 11207	7	1"1/2x3/4"		1
3974 11208	8	1"1/2x3/4"		1
3974 11209	9	1"1/2x3/4"		1
3974 11210	10	1"1/2x3/4"		1
3974 11211	11	1"1/2x3/4"		1
3974 11212	12	1"1/2x3/4"		1
3974 11213	13	1"1/2x3/4"		1

Modular return manifold in PA66 reinforced composite material.
- Shut-off valves suitable for thermo-electric actuator
- Inlet: 1"1/2 male-female
- Connections: 3/4" male EUROKONUS
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



new

ART. 3984

ATTACCO EUROKONUS CONNECTION

Code	outlets	size	€	box
3984 11202	2	1"1/2x3/4"		1
3984 11203	3	1"1/2x3/4"		1

Modular supply manifold in PA66 reinforced composite material.
- Flowmeters and flow rate balancing valves for circuits balancing
- Inlet: 1"1/2 male-female
- Connections: 3/4" male EUROKONUS
- Max. working pressure: 6 bar
- Max. working temperature: 60°C
- Min. working temperature: 5°C
- Usable media: water and water with max 30% glycol
- Centre distance between ports: 50mm



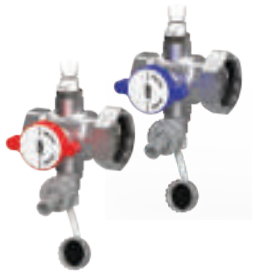
new

ART. 3994

ATTACCO EUROKONUS CONNECTION

Code	outlets	size	€	box
3994 11202	2	1"1/2x3/4"		1
3994 11203	3	1"1/2x3/4"		1

TEMPERATURE GAUGE HOLDER manual ball valve.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Manual air vent valve
- Designed for installation of temperature gauge, art.2653
- Nominal pressure: 10 bar
- Max. working temperature: 95°C



ART. 307B

Code	size	handle	€	box
307B 1BC	1"1/2F x 1"F	blue		1
307B 1RC	1"1/2F x 1"F	red		1

TEMPERATURE GAUGE HOLDER manual ball valve.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- Automatic air vent valve
- Designed for installation of temperature gauge, art.2653
- Nominal pressure: 10 bar
- Max. discharge pressure: 4 bar
- Max. working temperature: 95°C



ART. 307C

Code	size	handle	€	box
307C 1BC	1"1/2F x 1"F	blue		1
307C 1RC	1"1/2F x 1"F	red		1

TEMPERATURE GAUGE HOLDER manual ball valve with swiveling nut.
- Valve body and ball in CW617N stamped brass
- Chrome-plated ball
- EPDM sealing gaskets
- Nominal pressure: 10 bar
- Connections: female-female
- Max. working temperature: 95°C
- Manual air vent valve
- Designed for installation of temperature gauge, art.2653



ART. 307G

Code	size	handle	€	box	pack
307G 1112BC	1"F x 1"1/2F	blue		1	
307G 1112RC	1"F x 1"1/2F	red		1	

Reduction.
- PA66 reinforced composite material
- O-Ring in EPDM-P



ART. 4104

Code	size	€	box
4104 11234	1"1/2x3/4"		50

Plug.
- PA66 reinforced composite material
- O-Ring in EPDM-P



ART. 4103

Code	size	€	box
4103 112	1"1/2		50

Ø 40mm bimetallic temperature gauge.
- Temperature scale: 0÷80°C - 0÷120°C
- 36mm sheath



ART. 2653

Code	temperature scale	€	box	pack
2653 80	0-80° C		1	240
2653 120	0-120° C		1	240

MANIFOLDS SUITABLE FOR THERMO-ELECTRIC ACTUATORS – RETURN CIRCUIT



The special shape of FAR manifolds facilitates high flow rates by reducing flow resistance.

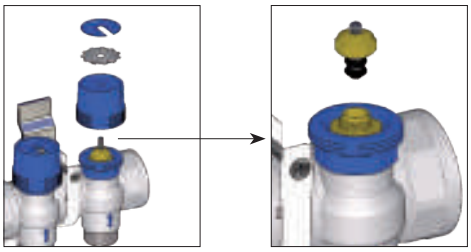
This special feature permits optimum choice of manifold diameter in relation to the number of circuits to be connected.



Thermo-electric actuator installation

Screw the thermo-electric actuator by hand and tighten the ring.

Do not use plumbing wrenches, tongs or other similar tools.



The return manifolds is equipped with a blue handle and two silk-screen printed discs for circuit identification.

A thermo-electric actuator can be fixed to the manifold once the blue handle is removed.

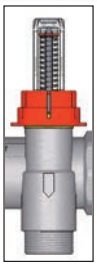
Thanks to the simple safety system, it is possible to replace the double O-ring seal of the body, without any need to drain the system.

MANIFOLDS WITH LOCKSHIELD VALVES OR FLOWMETERS - SUPPLY CIRCUIT

The supply manifold is equipped with a micrometric regulation system, with which it is possible to regulate or shut off flow within the system.

FAR offers two different versions:

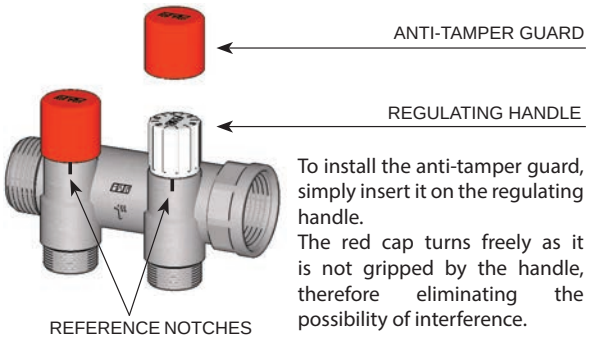
- one provided with flowmeters for flow-rate control
- one provided with a new balancing body





BALANCING LOCKSHIELD VALVES

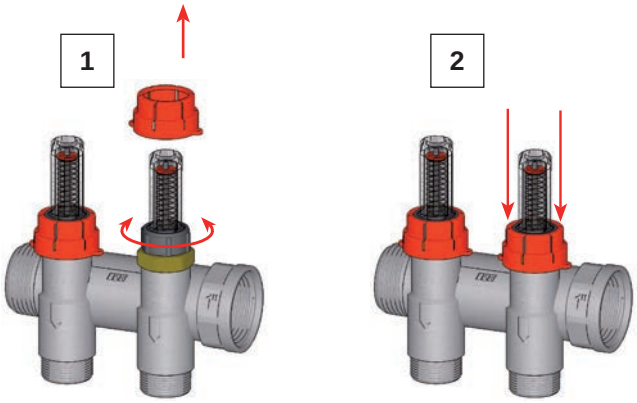
Adjustment is carried out by means of the handle indicating the reference numbers. The handle stroke is less than 360° and ranges between position 0 (lockshield valve fully closed) and 5.5 (lockshield valve fully open). The handle position is easily identified by the reference notches on the manifold.



To install the anti-tamper guard, simply insert it on the regulating handle.
The red cap turns freely as it is not gripped by the handle, therefore eliminating the possibility of interference.

FLOWMETERS

To fully open and then balance the flowmeters, remove the anti-tampering device and turn the regulating valve clockwise to decrease flow, or counterclockwise to increase it (**picture No. 1**). Once balancing has been completed, lock the flowmeter again with the anti-tampering device (**picture No. 2**).



ADAPTERS

With the aid of the appropriate sealing kit it is possible to connect a variety of types of pipe to the manifolds using EUROKONUS adapters.



Art. 6076 - Adapter for multilayer pipe



Art. 6075 - Adapter for plastic pipe

Chrome-plated brass FLANGED modular return manifold.

- Body made of CB753S brass
- Built-in shut-off valves suitable for thermo-electric actuators
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: 50 mm



ART. 3917

Code	outlets	size	€	box
3917 13402	2	1"x3/4"		1
3917 13403	3	1"x3/4"		1
3917 13404	4	1"x3/4"		1
3917 13405	5	1"x3/4"		1
3917 13406	6	1"x3/4"		1
3917 13407	7	1"x3/4"		1
3917 13408	8	1"x3/4"		1
3917 13409	9	1"x3/4"		1
3917 13410	10	1"x3/4"		1
3917 13411	11	1"x3/4"		1
3917 13412	12	1"x3/4"		1

Chrome-plated brass FLANGED modular delivery manifold.

- Body made of CB753S brass
- Built-in balancing lockshield valves
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: 50 mm
- **Patented**



ART. 3918

Code	outlets	size	€	box
3918 13402	2	1"x3/4"		1
3918 13403	3	1"x3/4"		1
3918 13404	4	1"x3/4"		1
3918 13405	5	1"x3/4"		1
3918 13406	6	1"x3/4"		1
3918 13407	7	1"x3/4"		1
3918 13408	8	1"x3/4"		1
3918 13409	9	1"x3/4"		1
3918 13410	10	1"x3/4"		1
3918 13411	11	1"x3/4"		1
3918 13412	12	1"x3/4"		1

Chrome-plated brass FLANGED modular delivery manifold.

- Body made of CB753S brass
- Flowmeters and flow-rate balancing valves
- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3982

Code	outlets	size	€	box
3982 13402	2	1"x3/4"		1
3982 13403	3	1"x3/4"		1
3982 13404	4	1"x3/4"		1
3982 13405	5	1"x3/4"		1
3982 13406	6	1"x3/4"		1
3982 13407	7	1"x3/4"		1
3982 13408	8	1"x3/4"		1
3982 13409	9	1"x3/4"		1
3982 13410	10	1"x3/4"		1
3982 13411	11	1"x3/4"		1
3982 13412	12	1"x3/4"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: 50 mm



ART. 3919

Code	outlets	size	€	box
3919 13402	2	1"x3/4"		1
3919 13403	3	1"x3/4"		1
3919 13404	4	1"x3/4"		1
3919 13405	5	1"x3/4"		1
3919 13406	6	1"x3/4"		1
3919 13407	7	1"x3/4"		1
3919 13408	8	1"x3/4"		1
3919 13409	9	1"x3/4"		1
3919 13410	10	1"x3/4"		1
3919 13411	11	1"x3/4"		1
3919 13412	12	1"x3/4"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3983

Code	outlets	size	€	box
3983 13402	2	1"x3/4"		1
3983 13403	3	1"x3/4"		1
3983 13404	4	1"x3/4"		1
3983 13405	5	1"x3/4"		1
3983 13406	6	1"x3/4"		1
3983 13407	7	1"x3/4"		1
3983 13408	8	1"x3/4"		1
3983 13409	9	1"x3/4"		1
3983 13410	10	1"x3/4"		1
3983 13411	11	1"x3/4"		1
3983 13412	12	1"x3/4"		1

Chrome-plated brass FLANGED modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3445

- Screws and O-rings for connection
- Connection: 1″ female-female
- Outlets: 3/4″ male EUROKONUS
- Centre distance between ports: 50 mm

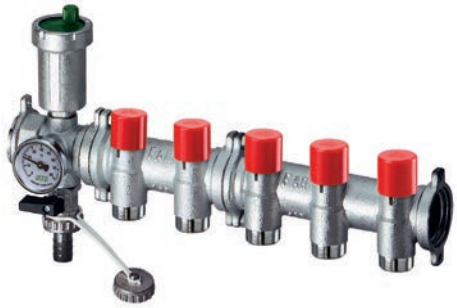


ART. 3469

Code	outlets	size	€	box
3469 13404	4	1″x3/4″		1
3469 13405	5	1″x3/4″		1
3469 13406	6	1″x3/4″		1
3469 13407	7	1″x3/4″		1
3469 13408	8	1″x3/4″		1
3469 13409	9	1″x3/4″		1
3469 13410	10	1″x3/4″		1
3469 13411	11	1″x3/4″		1
3469 13412	12	1″x3/4″		1

Chrome-plated brass FLANGED modular manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3445

- Screws and O-rings for connection
- Connection: 1″ female-female
- Outlets: 3/4″ male EUROKONUS
- Centre distance between ports: 50 mm
- **Patented**



ART. 3470

Code	outlets	size	€	box
3470 13404	4	1″x3/4″		1
3470 13405	5	1″x3/4″		1
3470 13406	6	1″x3/4″		1
3470 13407	7	1″x3/4″		1
3470 13408	8	1″x3/4″		1
3470 13409	9	1″x3/4″		1
3470 13410	10	1″x3/4″		1
3470 13411	11	1″x3/4″		1
3470 13412	12	1″x3/4″		1

Chrome-plated brass FLANGED modular manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3445

- Screws and O-rings for connection
- Connection: 1″ female-female
- Outlets: 3/4″ male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3582

Code	outlets	size	€	box
3582 13404	4	1″x3/4″		1
3582 13405	5	1″x3/4″		1
3582 13406	6	1″x3/4″		1
3582 13407	7	1″x3/4″		1
3582 13408	8	1″x3/4″		1
3582 13409	9	1″x3/4″		1
3582 13410	10	1″x3/4″		1
3582 13411	11	1″x3/4″		1
3582 13412	12	1″x3/4″		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445
- Fixing brackets, art. 7480

- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Centre distance between ports: 50 mm



ART. 3471

Code	outlets	size	€	box
3471 13404	4	1"x3/4"		1
3471 13405	5	1"x3/4"		1
3471 13406	6	1"x3/4"		1
3471 13407	7	1"x3/4"		1
3471 13408	8	1"x3/4"		1
3471 13409	9	1"x3/4"		1
3471 13410	10	1"x3/4"		1
3471 13411	11	1"x3/4"		1
3471 13412	12	1"x3/4"		1

PRE-ASSEMBLED chrome-plated brass FLANGED manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3445
- Fixing brackets, art. 7480

- Screws and O-rings for connection
- Connection: 1" female-female
- Outlets: 3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3583

Code	outlets	size	€	box
3583 13404	4	1"x3/4"		1
3583 13405	5	1"x3/4"		1
3583 13406	6	1"x3/4"		1
3583 13407	7	1"x3/4"		1
3583 13408	8	1"x3/4"		1
3583 13409	9	1"x3/4"		1
3583 13410	10	1"x3/4"		1
3583 13411	11	1"x3/4"		1
3583 13412	12	1"x3/4"		1

ART. 3911



Chrome-plated modular return manifold in CB753S brass.
- Built-in shut-off valves suitable for thermo-electric actuators
- Connection: 1" – 1"1/4 male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: 50 mm

Code	outlets	size	€	box
3911 11202	2	1"x1/2"		1
3911 11203	3	1"x1/2"		1
3911 11204	4	1"x1/2"		1
3911 11205	5	1"x1/2"		1
3911 11206	6	1"x1/2"		1
3911 11207	7	1"x1/2"		1
3911 11208	8	1"x1/2"		1
3911 11209	9	1"x1/2"		1
3911 11210	10	1"x1/2"		1
3911 11211	11	1"x1/2"		1
3911 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3911 13402	2	1"x3/4"		1
3911 13403	3	1"x3/4"		1
3911 13404	4	1"x3/4"		1
3911 13405	5	1"x3/4"		1
3911 13406	6	1"x3/4"		1
3911 13407	7	1"x3/4"		1
3911 13408	8	1"x3/4"		1
3911 13409	9	1"x3/4"		1
3911 13410	10	1"x3/4"		1
3911 13411	11	1"x3/4"		1
3911 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3911 1143402	2	1"1/4x3/4"		1
3911 1143403	3	1"1/4x3/4"		1
3911 1143404	4	1"1/4x3/4"		1
3911 1143405	5	1"1/4x3/4"		1
3911 1143406	6	1"1/4x3/4"		1
3911 1143407	7	1"1/4x3/4"		1
3911 1143408	8	1"1/4x3/4"		1
3911 1143409	9	1"1/4x3/4"		1
3911 1143410	10	1"1/4x3/4"		1
3911 1143411	11	1"1/4x3/4"		1
3911 1143412	12	1"1/4x3/4"		1

ART. 3921



Chrome-plated modular delivery manifold in CB753S brass.
- Built-in balancing lockshield valves
- Connection: 1" – 1"1/4 male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: 50 mm
- **Patented**

Code	outlets	size	€	box
3921 11202	2	1"x1/2"		1
3921 11203	3	1"x1/2"		1
3921 11204	4	1"x1/2"		1
3921 11205	5	1"x1/2"		1
3921 11206	6	1"x1/2"		1
3921 11207	7	1"x1/2"		1
3921 11208	8	1"x1/2"		1
3921 11209	9	1"x1/2"		1
3921 11210	10	1"x1/2"		1
3921 11211	11	1"x1/2"		1
3921 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3921 13402	2	1"x3/4"		1
3921 13403	3	1"x3/4"		1
3921 13404	4	1"x3/4"		1
3921 13405	5	1"x3/4"		1
3921 13406	6	1"x3/4"		1
3921 13407	7	1"x3/4"		1
3921 13408	8	1"x3/4"		1
3921 13409	9	1"x3/4"		1
3921 13410	10	1"x3/4"		1
3921 13411	11	1"x3/4"		1
3921 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3921 1143402	2	1"1/4x3/4"		1
3921 1143403	3	1"1/4x3/4"		1
3921 1143404	4	1"1/4x3/4"		1
3921 1143405	5	1"1/4x3/4"		1
3921 1143406	6	1"1/4x3/4"		1
3921 1143407	7	1"1/4x3/4"		1
3921 1143408	8	1"1/4x3/4"		1
3921 1143409	9	1"1/4x3/4"		1
3921 1143410	10	1"1/4x3/4"		1
3921 1143411	11	1"1/4x3/4"		1
3921 1143412	12	1"1/4x3/4"		1

ART. 3980



Chrome-plated modular delivery manifold in CB753S brass.
- Flowmeters and flow-rate balancing valves
- Connection: 1" – 1"1/4 male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm

Code	outlets	size	€	box
3980 11202	2	1"x1/2"		1
3980 11203	3	1"x1/2"		1
3980 11204	4	1"x1/2"		1
3980 11205	5	1"x1/2"		1
3980 11206	6	1"x1/2"		1
3980 11207	7	1"x1/2"		1
3980 11208	8	1"x1/2"		1
3980 11209	9	1"x1/2"		1
3980 11210	10	1"x1/2"		1
3980 11211	11	1"x1/2"		1
3980 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3980 13402	2	1"x3/4"		1
3980 13403	3	1"x3/4"		1
3980 13404	4	1"x3/4"		1
3980 13405	5	1"x3/4"		1
3980 13406	6	1"x3/4"		1
3980 13407	7	1"x3/4"		1
3980 13408	8	1"x3/4"		1
3980 13409	9	1"x3/4"		1
3980 13410	10	1"x3/4"		1
3980 13411	11	1"x3/4"		1
3980 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3980 1143402	2	1"1/4x3/4"		1
3980 1143403	3	1"1/4x3/4"		1
3980 1143404	4	1"1/4x3/4"		1
3980 1143405	5	1"1/4x3/4"		1
3980 1143406	6	1"1/4x3/4"		1
3980 1143407	7	1"1/4x3/4"		1
3980 1143408	8	1"1/4x3/4"		1
3980 1143409	9	1"1/4x3/4"		1
3980 1143410	10	1"1/4x3/4"		1
3980 1143411	11	1"1/4x3/4"		1
3980 1143412	12	1"1/4x3/4"		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Connection: 1"-1"1/4 male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: 50 mm

ART. 3928



Code	outlets	size	€	box
3928 11202	2	1"x1/2"		1
3928 11203	3	1"x1/2"		1
3928 11204	4	1"x1/2"		1
3928 11205	5	1"x1/2"		1
3928 11206	6	1"x1/2"		1
3928 11207	7	1"x1/2"		1
3928 11208	8	1"x1/2"		1
3928 11209	9	1"x1/2"		1
3928 11210	10	1"x1/2"		1
3928 11211	11	1"x1/2"		1
3928 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3928 13402	2	1"x3/4"		1
3928 13403	3	1"x3/4"		1
3928 13404	4	1"x3/4"		1
3928 13405	5	1"x3/4"		1
3928 13406	6	1"x3/4"		1
3928 13407	7	1"x3/4"		1
3928 13408	8	1"x3/4"		1
3928 13409	9	1"x3/4"		1
3928 13410	10	1"x3/4"		1
3928 13411	11	1"x3/4"		1
3928 13412	12	1"x3/4"		1
3928 1143402	2	1"1/4x3/4"		1
3928 1143403	3	1"1/4x3/4"		1
3928 1143404	4	1"1/4x3/4"		1
3928 1143405	5	1"1/4x3/4"		1
3928 1143406	6	1"1/4x3/4"		1
3928 1143407	7	1"1/4x3/4"		1
3928 1143408	8	1"1/4x3/4"		1
3928 1143409	9	1"1/4x3/4"		1
3928 1143410	10	1"1/4x3/4"		1
3928 1143411	11	1"1/4x3/4"		1
3928 1143412	12	1"1/4x3/4"		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Fixing brackets, art. 7480

- Connection: 1" – 1"1/4 male-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm

ART. 3981



Code	outlets	size	€	box
3981 11202	2	1"x1/2"		1
3981 11203	3	1"x1/2"		1
3981 11204	4	1"x1/2"		1
3981 11205	5	1"x1/2"		1
3981 11206	6	1"x1/2"		1
3981 11207	7	1"x1/2"		1
3981 11208	8	1"x1/2"		1
3981 11209	9	1"x1/2"		1
3981 11210	10	1"x1/2"		1
3981 11211	11	1"x1/2"		1
3981 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3981 13402	2	1"x3/4"		1
3981 13403	3	1"x3/4"		1
3981 13404	4	1"x3/4"		1
3981 13405	5	1"x3/4"		1
3981 13406	6	1"x3/4"		1
3981 13407	7	1"x3/4"		1
3981 13408	8	1"x3/4"		1
3981 13409	9	1"x3/4"		1
3981 13410	10	1"x3/4"		1
3981 13411	11	1"x3/4"		1
3981 13412	12	1"x3/4"		1
3981 1143402	2	1"1/4x3/4"		1
3981 1143403	3	1"1/4x3/4"		1
3981 1143404	4	1"1/4x3/4"		1
3981 1143405	5	1"1/4x3/4"		1
3981 1143406	6	1"1/4x3/4"		1
3981 1143407	7	1"1/4x3/4"		1
3981 1143408	8	1"1/4x3/4"		1
3981 1143409	9	1"1/4x3/4"		1
3981 1143410	10	1"1/4x3/4"		1
3981 1143411	11	1"1/4x3/4"		1
3981 1143412	12	1"1/4x3/4"		1

Chrome-plated brass modular manifold complete with:
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connection, art. 3438

- Connection: 1" – 1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: 50 mm



ART. 3466

Code	outlets	size	€	box
3466 11204	4	1"x1/2"		1
3466 11205	5	1"x1/2"		1
3466 11206	6	1"x1/2"		1
3466 11207	7	1"x1/2"		1
3466 11208	8	1"x1/2"		1
3466 11209	9	1"x1/2"		1
3466 11210	10	1"x1/2"		1
3466 11211	11	1"x1/2"		1
3466 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3466 13404	4	1"x3/4"		1
3466 13405	5	1"x3/4"		1
3466 13406	6	1"x3/4"		1
3466 13407	7	1"x3/4"		1
3466 13408	8	1"x3/4"		1
3466 13409	9	1"x3/4"		1
3466 13410	10	1"x3/4"		1
3466 13411	11	1"x3/4"		1
3466 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3466 1143404	4	1"1/4x3/4"		1
3466 1143405	5	1"1/4x3/4"		1
3466 1143406	6	1"1/4x3/4"		1
3466 1143407	7	1"1/4x3/4"		1
3466 1143408	8	1"1/4x3/4"		1
3466 1143409	9	1"1/4x3/4"		1
3466 1143410	10	1"1/4x3/4"		1
3466 1143411	11	1"1/4x3/4"		1
3466 1143412	12	1"1/4x3/4"		1

Chrome-plated brass modular manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Intermediate connection, art. 3438

- Connection: 1" – 1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Centre distance between ports: 50 mm
- **Patented**



ART. 3467

Code	outlets	size	€	box
3467 11204	4	1"x1/2"		1
3467 11205	5	1"x1/2"		1
3467 11206	6	1"x1/2"		1
3467 11207	7	1"x1/2"		1
3467 11208	8	1"x1/2"		1
3467 11209	9	1"x1/2"		1
3467 11210	10	1"x1/2"		1
3467 11211	11	1"x1/2"		1
3467 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3467 13404	4	1"x3/4"		1
3467 13405	5	1"x3/4"		1
3467 13406	6	1"x3/4"		1
3467 13407	7	1"x3/4"		1
3467 13408	8	1"x3/4"		1
3467 13409	9	1"x3/4"		1
3467 13410	10	1"x3/4"		1
3467 13411	11	1"x3/4"		1
3467 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3467 1143404	4	1"1/4x3/4"		1
3467 1143405	5	1"1/4x3/4"		1
3467 1143406	6	1"1/4x3/4"		1
3467 1143407	7	1"1/4x3/4"		1
3467 1143408	8	1"1/4x3/4"		1
3467 1143409	9	1"1/4x3/4"		1
3467 1143410	10	1"1/4x3/4"		1
3467 1143411	11	1"1/4x3/4"		1
3467 1143412	12	1"1/4x3/4"		1

Chrome-plated brass modular manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
- Intermediate connection, art. 3438

- Connection: 1"-1"1/4 female-female
- Outlets: 1/2"-3/4" male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3580

Code	outlets	size	€	box
3580 11204	4	1"x1/2"		1
3580 11205	5	1"x1/2"		1
3580 11206	6	1"x1/2"		1
3580 11207	7	1"x1/2"		1
3580 11208	8	1"x1/2"		1
3580 11209	9	1"x1/2"		1
3580 11210	10	1"x1/2"		1
3580 11211	11	1"x1/2"		1
3580 11212	12	1"x1/2"		1

Code	outlets	size	€	box
3580 13404	4	1"x3/4"		1
3580 13405	5	1"x3/4"		1
3580 13406	6	1"x3/4"		1
3580 13407	7	1"x3/4"		1
3580 13408	8	1"x3/4"		1
3580 13409	9	1"x3/4"		1
3580 13410	10	1"x3/4"		1
3580 13411	11	1"x3/4"		1
3580 13412	12	1"x3/4"		1

Code	outlets	size	€	box
3580 1143404	4	1"1/4x3/4"		1
3580 1143405	5	1"1/4x3/4"		1
3580 1143406	6	1"1/4x3/4"		1
3580 1143407	7	1"1/4x3/4"		1
3580 1143408	8	1"1/4x3/4"		1
3580 1143409	9	1"1/4x3/4"		1
3580 1143410	10	1"1/4x3/4"		1
3580 1143411	11	1"1/4x3/4"		1
3580 1143412	12	1"1/4x3/4"		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Delivery manifold with built-in balancing lockshield valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438
- Fixing brackets, art. 7480

- Connection: 1″-1″1/4 female-female
- Outlets: 1/2″-3/4″ male EUROKONUS
- Centre distance between ports: 50 mm

ART. 3468



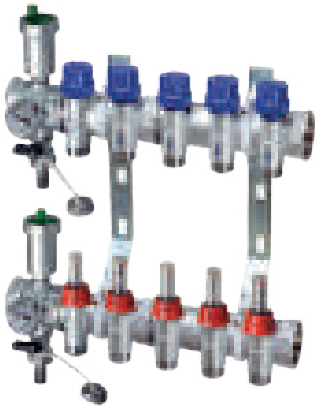
Code	outlets	size	€	box
3468 11204	4	1″x1/2″		1
3468 11205	5	1″x1/2″		1
3468 11206	6	1″x1/2″		1
3468 11207	7	1″x1/2″		1
3468 11208	8	1″x1/2″		1
3468 11209	9	1″x1/2″		1
3468 11210	10	1″x1/2″		1
3468 11211	11	1″x1/2″		1
3468 11212	12	1″x1/2″		1

Code	outlets	size	€	box
3468 13404	4	1″x3/4″		1
3468 13405	5	1″x3/4″		1
3468 13406	6	1″x3/4″		1
3468 13407	7	1″x3/4″		1
3468 13408	8	1″x3/4″		1
3468 13409	9	1″x3/4″		1
3468 13410	10	1″x3/4″		1
3468 13411	11	1″x3/4″		1
3468 13412	12	1″x3/4″		1
3468 1143404	4	1″1/4x3/4″		1
3468 1143405	5	1″1/4x3/4″		1
3468 1143406	6	1″1/4x3/4″		1
3468 1143407	7	1″1/4x3/4″		1
3468 1143408	8	1″1/4x3/4″		1
3468 1143409	9	1″1/4x3/4″		1
3468 1143410	10	1″1/4x3/4″		1
3468 1143411	11	1″1/4x3/4″		1
3468 1143412	12	1″1/4x3/4″		1

PRE-ASSEMBLED chrome-plated brass manifold complete with:
- Delivery manifold with flowmeters and flow-rate balancing valves
- Return manifold with built-in shut-off valves suitable for thermo-electric actuators
- Intermediate connections, art. 3438
- Fixing brackets, art. 7480

- Connection: 1″ – 1″1/4 female-female
- Outlets: 1/2″-3/4″ male EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm

ART. 3581



Code	outlets	size	€	box
3581 11204	4	1″x1/2″		1
3581 11205	5	1″x1/2″		1
3581 11206	6	1″x1/2″		1
3581 11207	7	1″x1/2″		1
3581 11208	8	1″x1/2″		1
3581 11209	9	1″x1/2″		1
3581 11210	10	1″x1/2″		1
3581 11211	11	1″x1/2″		1
3581 11212	12	1″x1/2″		1

Code	outlets	size	€	box
3581 13404	4	1″x3/4″		1
3581 13405	5	1″x3/4″		1
3581 13406	6	1″x3/4″		1
3581 13407	7	1″x3/4″		1
3581 13408	8	1″x3/4″		1
3581 13409	9	1″x3/4″		1
3581 13410	10	1″x3/4″		1
3581 13411	11	1″x3/4″		1
3581 13412	12	1″x3/4″		1
3581 1143404	4	1″1/4x3/4″		1
3581 1143405	5	1″1/4x3/4″		1
3581 1143406	6	1″1/4x3/4″		1
3581 1143407	7	1″1/4x3/4″		1
3581 1143408	8	1″1/4x3/4″		1
3581 1143409	9	1″1/4x3/4″		1
3581 1143410	10	1″1/4x3/4″		1
3581 1143411	11	1″1/4x3/4″		1
3581 1143412	12	1″1/4x3/4″		1

The set point control and mixing units are suitable for use in underfloor heating systems for low temperature distribution, and also with combined high and low temperature supplies where high temperature circuits such as radiators are included. They are designed for connection to both flow and return lines with provision for an integral pump.



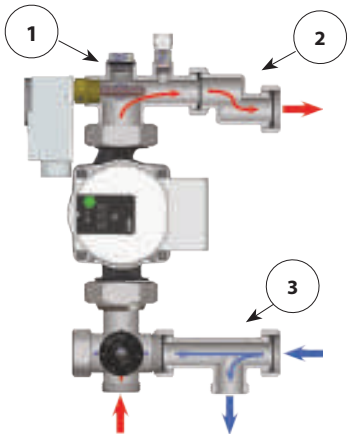
Art. 3480



Art. 3493

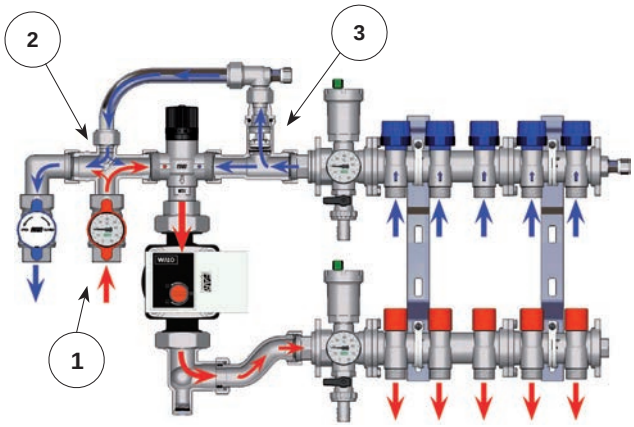
FUNCTION OF ART. 3493

The Set Point Control version is suitable for heating systems: this unit can be manually adjusted by turning the handle of the thermostatic mixer to the desired flow temperature value. The pump should always be installed at the mixer outlet, in place of the brass extension piece. The mixed fluid coming out of the pump passes into a fitting (1) on which it is possible to install a safety thermostat with a 1/2" connection. After the connection, the fluid passes through an eccentric (2) which allows to adapt the centre distance of the unit to the one of the manifolds that will be installed. Fluid coming back from the heating circuit passes through a fitting (3) that allows a part of water to re-enter to the boiler, while the remainder is diverted to the thermostatic mixer to mix with the high temperature one.



FUNCTION OF ART. 3480

Circulation is as follows: the high temperature water supplied from the boiler reaches the mixer unit through a ball valve (1) and a by-pass diverter connection (2). The connection (2) allows the high-temperature water rejected by the thermostatic mixer to be sent back to the boiler, while at the same time, directing the water coming from the manifolds to the boiler return line trough the return connection (3). The mixer unit is designed to ensure a constant supply of water at the required temperature to the underfloor heating loops - blending in supplies of high temperature water from the boiler as necessary. Water leaves the mixer unit and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifolds and through the return connection (3) a proportion of the water re-enters the mixing unit restarting circulation while the remainder is diverted back to the boiler.



THERMOSTATIC MIXER

The thermostatic mixer is designed to ensure a constant supply of water for the low temperature system. The delivery temperature set-up must be carried out when starting up the system taking the design temperature as a reference. An initial set-up can be achieved based on the relation between the setting on the mixer and the flow water temperature. See below:

POSITION	Min.	1	2	3	4	5	Max
T ±2 [°C]	18	20	22	30	40	50	55





IMMERSION SAFETY THERMOSTAT

The immersion thermostat located on the control and mixing unit is designed to shut down the pump, or the boiler, when required. It is a liquid-filled type thermostat. The graduated knob allows the operator to set the maximum temperature value for the system.

Temperature setting range: 10 - 90°C



PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the plastic template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA: Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7m.**

The pumps have a 130mm centre distance, 1"1/2 male connections and 230 V supply.

12 SET POINT CONTROL UNIT

Set point control unit for underfloor heating systems.
- Primary side connections (boiler): 1" male
- Secondary side connections (manifold): 1" female with swiveling nut



ART. 3493

Code	size	€	box
3493 1	1"		1

Set point control unit complete with thermostatic valve.
- Primary side connections (boiler): 1/2" female
- Secondary side connections (manifold): 1" male with O-ring
- Temperature gauge: 0-80°C
- Manual air vent valve
- Side adjustable drain cock
- Primary side balancing lockshield valve
- Temperature range of thermostatic valve: 10 ÷ 50°C



ART. 3497

Code	size	€	box
3497 1	1"		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	



IMMERSION SAFETY THERMOSTAT

Code	Thermostat type	€
7950	immersion	

NB **Pumps are supplied only in combination with art. 3493-3497**

Set point control unit for underfloor heating systems.
- Connection to delivery and return pipelines: 3/4" female



ART. 3480

Code	size	€	box
3480 34	3/4"		1
3480 1	1"		1
3480 114	1"1/4		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3480-3489**

Pre-assembled unit for underfloor heating systems, complete with set point control unit and high temperature distribution manifolds.
- Outlets: 3/4" EUROKONUS
- Fixing brackets, art. 7480

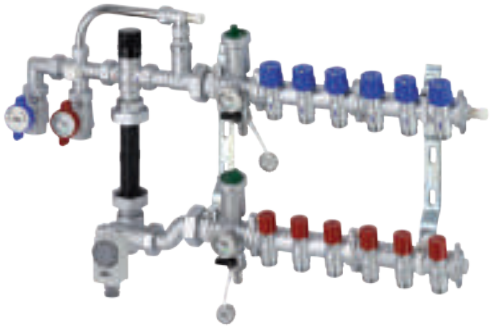


ART. 3489

Code	radiator outlets	size	€	box
3489 13402	2	1"x3/4"		1
3489 13403	3	1"x3/4"		1
3489 13404	4	1"x3/4"		1
3489 13405	5	1"x3/4"		1

Pre-assembled unit for underfloor heating systems, complete with:
- Set point control unit
- Low temperature delivery manifold with built-in balancing lockshield valves
- Low temperature return manifold with built-in shut-off valves
- Fixing brackets, art. 7480

• Outlets: 3/4" EUROKONUS
• Centre distance between ports: 50 mm



ART. 3485

Code	outlets	size	€	box
3485 13403	3	1"x3/4"		1
3485 13404	4	1"x3/4"		1
3485 13405	5	1"x3/4"		1
3485 13406	6	1"x3/4"		1
3485 13407	7	1"x3/4"		1
3485 13408	8	1"x3/4"		1
3485 13409	9	1"x3/4"		1
3485 13410	10	1"x3/4"		1
3485 13411	11	1"x3/4"		1
3485 13412	12	1"x3/4"		1

ACCESSORIES:



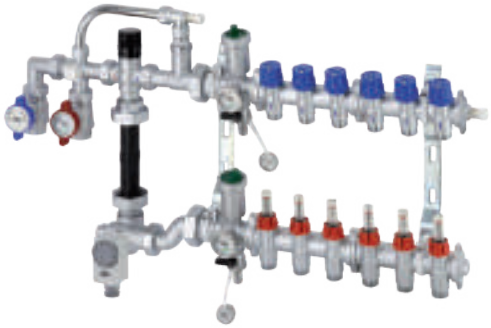
PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3485**

Pre-assembled unit for underfloor heating systems, complete with:
- Set point control unit
- Low temperature delivery manifold with flowmeters and flow-rate balancing valves
- Low temperature return manifold with built-in shut-off valves
- Fixing brackets, art. 7480

• Outlets: 3/4" EUROKONUS
• Flowmeters range: 0-5 l/min
• Centre distance between ports: 50 mm



ART. 3584

Code	outlets	size	€	box
3584 13402	2	1"x3/4"		1
3584 13403	3	1"x3/4"		1
3584 13404	4	1"x3/4"		1
3584 13405	5	1"x3/4"		1
3584 13406	6	1"x3/4"		1
3584 13407	7	1"x3/4"		1
3584 13408	8	1"x3/4"		1
3584 13409	9	1"x3/4"		1
3584 13410	10	1"x3/4"		1
3584 13411	11	1"x3/4"		1
3584 13412	12	1"x3/4"		1

ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3584**

12 SET POINT CONTROL UNIT

Pre-assembled mixed unit for underfloor heating systems complete with:
- Set point control unit
- Low temperature delivery manifold with built-in balancing lockshield valves
- Low temperature return manifold with built-in shut-off valves
- High temperature distribution manifolds
- Fixing brackets, art. 7480

- Outlets: 3/4" EUROKONUS
- Centre distance between ports: 50 mm



ART. 3487

Code	floor outlets	radiator outlets	size	€	box
3487 1340302	3	2	1"x3/4"		1
3487 1340402	4	2	1"x3/4"		1
3487 1340502	5	2	1"x3/4"		1
3487 1340602	6	2	1"x3/4"		1
3487 1340702	7	2	1"x3/4"		1
3487 1340802	8	2	1"x3/4"		1
3487 1340902	9	2	1"x3/4"		1
3487 1341002	10	2	1"x3/4"		1
3487 1341102	11	2	1"x3/4"		1
3487 1340303	3	3	1"x3/4"		1
3487 1340403	4	3	1"x3/4"		1
3487 1340503	5	3	1"x3/4"		1
3487 1340603	6	3	1"x3/4"		1
3487 1340703	7	3	1"x3/4"		1
3487 1340803	8	3	1"x3/4"		1
3487 1340903	9	3	1"x3/4"		1
3487 1341003	10	3	1"x3/4"		1

ACCESSORIES:



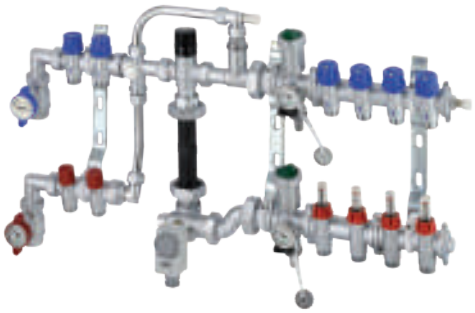
PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

NB **Pumps are supplied only in combination with art. 3487**

Pre-assembled mixed unit for underfloor heating systems complete with:
- Set point control unit
- Low temperature delivery manifold with flowmeters and flow-rate balancing valves
- Low temperature return manifold with built-in shut-off valves
- High temperature distribution manifolds
- Fixing brackets, art. 7480

- Outlets: 3/4" EUROKONUS
- Flowmeters range: 0-5 l/min
- Centre distance between ports: 50 mm



ART. 3586

Code	floor outlets	radiator outlets	size	€	box
3586 1340302	3	2	1"x3/4"		1
3586 1340402	4	2	1"x3/4"		1
3586 1340502	5	2	1"x3/4"		1
3586 1340602	6	2	1"x3/4"		1
3586 1340702	7	2	1"x3/4"		1
3586 1340802	8	2	1"x3/4"		1
3586 1340902	9	2	1"x3/4"		1
3586 1341002	10	2	1"x3/4"		1
3586 1341102	11	2	1"x3/4"		1
3586 1340303	3	3	1"x3/4"		1
3586 1340403	4	3	1"x3/4"		1
3586 1340503	5	3	1"x3/4"		1
3586 1340603	6	3	1"x3/4"		1
3586 1340703	7	3	1"x3/4"		1
3586 1340803	8	3	1"x3/4"		1
3586 1340903	9	3	1"x3/4"		1
3586 1341003	10	3	1"x3/4"		1

ACCESSORIES:



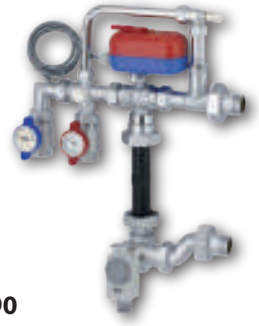
PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	

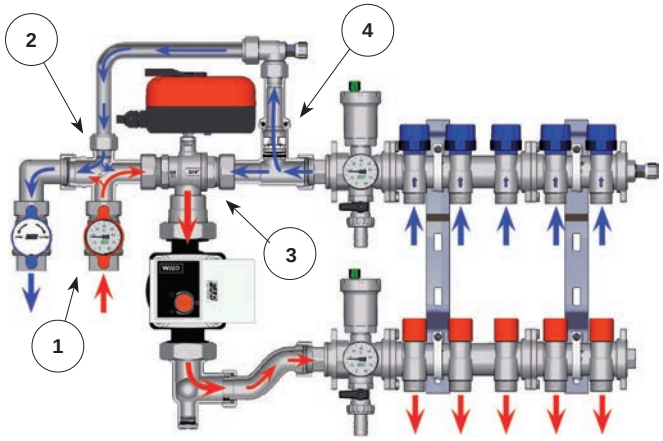
NB **Pumps are supplied only in combination with art. 3586**

Modulating Control units for underfloor heating systems are available in HOT only or HOT/COLD versions. They are equipped with a 3-point actuator and a mixing valve. Used in association with a control unit they can manage the flow temperature of an underfloor heating system in accordance with climatic and room conditions.

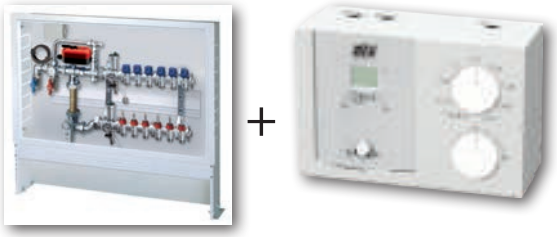
The MODULATING version is suitable for both heating and cooling systems: the main feature is the facility to manage the plant by modulating the supply temperature via a control unit equipped with an external temperature probe. This version can be also used as a fixed point control unit.
The brass template at the outlet of the mixing valve must always to be replaced by a pump.
The unit is equipped with a by-pass between the supply and return sides of the boiler and a safety thermostat.
It is also available with pre-assembled manifolds for distribution of flow for low temperature only, high temperature only, or both.



Art. 3490



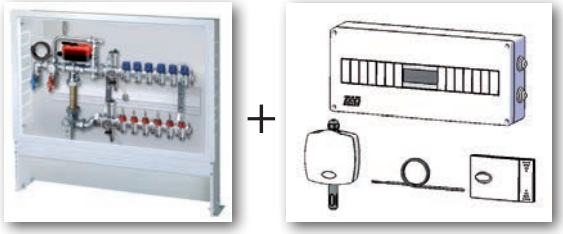
The mixing valve is designed to ensure a constant supply of water, blended to the required temperature, to the underfloor heating loops. Circulation is as follows: water leaves the mixing valve (3), passes through the pump (installed in place of the template) and is pumped to the flow side of the manifolds from whence it is distributed to the individual underfloor heating loops. Water coming back from the loops enters the return side of the manifold and, passing through the return connection (4), re-enters the mixing valve. High temperature water is supplied from the boiler to the mixing valve via a ball valve (1) and diverter connection (2). As it enters the mixing valve an equal volume of lower temperature return water is diverted back to the boiler, passing first through fitting 4 and then through fitting 2, thus automatically keeping the system in balance.



HOT ONLY (HEATING)

If you wish to set up to a "hot only" system, you will require both the regulating unit and a control unit, Art. **9611**, comprising:

- HOT Only control unit
- Supply temperature probe
- External temperature probe
- Seat for supply probe



HOT and COLD (HEATING and COOLING)

However, if you need to use a climatic control which operates the circuit in winter and summer, you will also require a control unit, art.**9610**. It comprises:

- HOT - COLD control unit
- Supply temperature probe
- External temperature probe
- Internal temperature + humidity probe
- Seat for supply probe
- Box for controller

PUMPS FOR UNDERFLOOR HEATING SYSTEMS

In order to operate correctly, the brass template on the unit must ALWAYS be replaced with an appropriately sized pump in order to avoid flow resistance in the low temperature circuit. FAR offers the following kind of pump to complement these units:

- **Art.2185 130EA: Electronic pump, high efficiency electronic pump, with 130mm centre distance. Variable head: from 1 to 7 m.**

The pumps have a 130mm centre distance, 1"1/2 male connections and 230 V supply.
The pumps are only sold in combination with pre-assembled units.

Modulating control unit for underfloor heating systems, complete with 3-point actuator.

- Connection to delivery and return pipelines: 3/4" female



ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	
9611	hot only	

NB **Pumps and control units are supplied only in combination with art. 3490**

ART. 3490

Code	size	voltage	€	box
3490 110	1"			1

Pre-assembled unit for underfloor heating systems, complete with 3- point actuator and high temperature distribution manifolds.

- Outlets: 3/4" EUROKONUS
- Fixing brackets, art. 7480



ACCESSORIES:



PUMP
The pump will be supplied pre-assembled

Code	pump	€
2185 130EA	High efficiency electronic pump	



CONTROL UNIT

Code	electronic regulation type	€
9610	hot and cold	
9611	hot only	

NB **Pumps and control units are supplied only in combination with art. 3492**

ART. 3492

Code	radiator outlets	size	voltage	€	box
3492 1340210	2	1"x3/4"	230 V		1
3492 1340310	3	1"x3/4"	230 V		1
3492 1340410	4	1"x3/4"	230 V		1
3492 1340510	5	1"x3/4"	230 V		1

2 wired thermo-electric actuator provided with selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED
- NA = NORMALLY OPEN

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1909-1919-1929-1939

Code	voltage	opening time	type	€	box	pack
1909	24 V	180 s	NC		1	100
1919	230 V	180 s	NC		1	100
1929	24 V	180 s	NA		1	100
1939	230 V	180 s	NA		1	100

4 wired thermo-electric actuator with auxiliary micro-switch and selector. Suitable for installation on thermostatic valves and manifolds.

- Chrome-plated ring with M30x1,5 thread
- Connecting cable length: 75 cm
- Protection rating: IP54



- NC = NORMALLY CLOSED

N.B. For installation on thermostatic valves use the chrome-plated adapter, art. 1941.

ART. 1914-1924-1913-1923

Code	voltage	opening time	type	€	box	pack
1914	24 V	180 s	NC		1	100
1924	230 V	180 s	NC		1	100
1913	24 V	90 s	NC		1	100
1923	230 V	90 s	NC		1	100

Electronic chrono-thermostat complete with weekly programmable clock and digital display.

- Battery operated (by two AA 1,5V alkaline batteries – not supplied)
- Operating mode: AUTO, COMFORT, ECONOMY and OFF / Frost protection
- Program range: 30 minutes
- Hot/Cold switch
- Wall assembly



ART. 7946

Code	€	box	pack
7946		1	-

Chrome-plated adapter suitable for installation of electric actuators on thermo-electric manifolds.

- M30x1,5 thread



ART. 1942

Code	€	box	pack
1942		1	-

Electronic thermostat for heating and cooling systems.

- Digital display and function keys
- Hot/Cold switch
- Operation: COMFORT, ECONOMY and OFF
- Supplied by two AAA 1,5 V batteries



ART. 7944

Code	€	box	pack
7944		1	-

Electronic chrono-thermostat, with weekly programming for the control of heating and air conditioning systems, with the possibility of remote control via SMS messages.

- Backlit display and function keys
- Weekly programming with three temperature levels
- 2 auxiliary alarm inputs (clean contacts)
- 1 relay auxiliary output (clean contacts) programmable by user
- Backup battery for programming data and clock / calendar maintenance
- Power reserve, to send a power failure message (BLACK-OUT)
- Power supply 230V-50Hz
- Suitable sims: GSM SIM, standard with the GSM 11.12 phase 2+ standard



ART. 7943

Code	€	box	pack
7943		1	-

Electromechanical room thermostat complete with steam sensor.

- Scale: 10÷30° C
- Differential: 0,8 K
- System of limitation and/or locking of T selector
- Protection rating: IP20
- Electrical connection with two wires
- Current carrying capacity: 10(2,5)A 250V a.c.

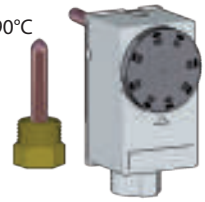


ART. 7948

Code	€	box	pack
7948		1	-

Immersion thermostat.

- Control temperature range:10÷90°C
- Protection rating: IP40
- Sheath: 1/2" (l=50mm)

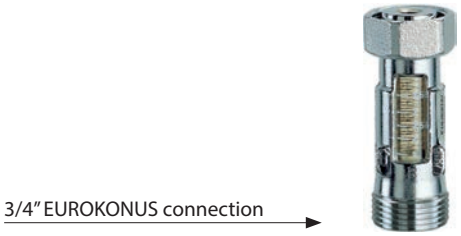


ART. 7950

Code	Thermostat type	€	box	pack
7950	immersion		1	-

Chrome-plated flowmeter.

- Measuring scale: 1-3,5 litres/min.
- Measuring scale: 2-8 litres/min.
- Connection: 3/4" EUROKONUS



ART. 3428

Code	l/min	€	box
3428 4	1 - 3,5		12
3428 8	2-8		12

Chrome-plated temperature gauge fitting.

- Connection: 3/4" EUROKONUS
- Temperature gauge: 0÷80°C



ART. 3433

Code	size	€	box
3433 34	3/4"		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for thermo-electric manifolds.
(Art. 3913-3923-3914-3915-3911-3921-3917-3918)



ART. 9300

Code	outlets	size	€	box
9300 102	2	1"		1
9300 103	3	1"		1
9300 104	4	1"		1
9300 11402	2	1"1/4		1
9300 11403	3	1"1/4		1
9300 11202	2	1"1/2		1
9300 11203	3	1"1/2		1

Anti-condensate protection shell made of thermo-formed expanded polyethylene for intermediate connections (ART. 3438-3445).



ART. 9301

Code	size	€	box
9301 1	1"		1
9301 114	1"1/4		1
9301 112	1"1/2		1

End plug made of velcro for protection shell (ART. 9300) suitable for manifolds with built-in regulating valves (Art. 3923-3915-3921-3918).



ART. 9302

Code	outlets	size	€	box
9302 102	2	1"		1
9302 103	3	1"		1

Chrome-plated intermediate connection.
- Size: 3/4" - 1"-1"1/4 female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3430

Code	size	€	box	pack
3430 34	3/4"		10	120
3430 1	1"		10	120
3430 114	1"1/4		5	40

Chrome-plated intermediate connection.
- Size: 3/4" - 1" female-female
- Connections: 3/8" - 1/2"



ART. 3430TC

Code	size	€	box	pack
3430 34TC	3/4"		10	120
3430 1TC	1"		10	120

Chrome-plated intermediate FLANGED connection. Provided with screws and O-ring for connection.
- Size: 1" female-female
- Connections: 3/8" - 3/8" - 1/2"



ART. 3441

Code	size	€	box	pack
3441 1	1"x3/8"		10	80

Chrome-plated intermediate connection complete with air vent valve, temperature gauge and plug.
- Size: 3/4" - 1"-1"1/4-1"1/2 female-female
- Temperature gauge: 0÷80°C

ART. 3435

Code	size	€	box
3435 34	3/4"		1
3435 1	1"		1
3435 114	1"1/4		1
3435 112	1"1/2		1



Chrome-plated intermediate connection complete with air vent valve, thermo-manometer and plug.
- Size: 1"-1"1/4 - 1"1/2 female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3436

Code	size	€	box
3436 1	1"		1
3436 114	1"1/4		1
3436 112	1"1/2		1

Chrome-plated intermediate connection complete with automatic air vent valve, temperature gauge and boiler drain cock.
- Size: 3/4" - 1"-1"1/4-1"1/2 female-female
- Temperature gauge: 0÷80°C

ART. 3438

Code	size	€	box
3438 34	3/4"		1
3438 1	1"		1
3438 114	1"1/4		1
3438 112	1"1/2		1



Chrome-plated intermediate connection complete with automatic air vent valve, thermo-manometer and boiler drain cock.
- Size: 1"-1"1/4 - 1"1/2 female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3442

Code	size	€	box
3442 1	1"		1
3442 114	1"1/4		1
3442 112	1"1/2		1

Chrome-plated intermediate FLANGED connection, complete with automatic air vent valve, temperature gauge and plug.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C



ART. 3443

Code	size	€	box
3443 1	1"		1

Chrome-plated intermediate FLANGED connection, complete with automatic air vent valve, temperature gauge and plug.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3444

Code	size	€	box
3444 1	1"		1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, temperature gauge and drain cock.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Temperature gauge: 0÷80°C



ART. 3445

Code	size	€	box
3445 1	1"		1

Chrome-plated intermediate FLANGED connection complete with automatic air vent valve, thermo-manometer and drain cock.
- Provided with screws and O-ring for connection
- Size: 1" female-female
- Thermo-manometer: 0÷4 bar - 0÷120°C



ART. 3446

Code	size	€	box
3446 1	1"		1

Chrome-plated temperature gauge fitting.
- Size: 1" male-female
- Side connection: 3/8" female



ART. 3431

Code	size	€	box
3431 1	1"		5

Chrome-plated intermediate connection for manifolds, preset for installation of air vent valve, temperature gauge and drain cock.
- Size: 1" male-female



ART. 3440

Code	size	€	box	pack
3440 1	1"		10	80

Chrome-plated temperature gauge fitting.
- Size: 1" male-female
- Temperature gauge: 0÷80°C



ART. 3432

Code	size	€	box
3432 1	1"		1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female



ART. 4070M

Code	size	outlets	€	box
4070 M3438	3/4"	3/8"x1/2"		1
4070 M138	1"	3/8"x1/2"		1
4070 M11438	1"1/4	3/8"x1/2"		1
4070 M11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 3/8" x 1/2" female



ART. 4070

Code	size	outlets	€	box
4070 3438	3/4"	3/8"x1/2"		1
4070 138	1"	3/8"x1/2"		1
4070 11438	1"1/4	3/8"x1/2"		1
4070 11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with manual air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female



ART. 4071M

Code	size	outlets	€	box
4071 M3438	3/4"	3/8"x1/2"		1
4071 M138	1"	3/8"x1/2"		1
4071 M11438	1"1/4	3/8"x1/2"		1
4071 M11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds, complete with automatic air vent valve and drain cock.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 3/8" x 1/2" female



ART. 4071

Code	size	outlets	€	box
4071 3438	3/4"	3/8"x1/2"		1
4071 138	1"	3/8"x1/2"		1
4071 11438	1"1/4	3/8"x1/2"		1
4071 11238	1"1/2	3/8"x1/2"		1

Chrome-plated terminal connection for manifolds. Double radial connection.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 female
- Outlets: 1/2" x 1/2" female
  3/8" x 1/2" female



ART. 4060

Code	size	outlets	€	box	pack
4060 3438	3/4"	3/8"x1/2"		25	250
4060 3412	3/4"	1/2"x1/2"		25	250
4060 138	1"	3/8"x1/2"		25	250
4060 112	1"	1/2"x1/2"		25	250
4060 11438	1"1/4	3/8"x1/2"		20	200
4060 11412	1"1/4	1/2"x1/2"		20	200
4060 11238	1"1/2	3/8"x1/2"		1	-
4060 11212	1"1/2	1/2"x1/2"		1	-

Chrome-plated terminal connection for manifolds. Double radial connection.
- Connection: 3/4" - 1" - 1"1/4 - 1"1/2 male
- Outlets: 1/2" x 1/2" female
  3/8" x 1/2" female



ART. 4061

Code	size	outlets	€	box	pack
4061 3438	3/4"	3/8"x1/2"		25	250
4061 3412	3/4"	1/2"x1/2"		25	250
4061 138	1"	3/8"x1/2"		25	250
4061 112	1"	1/2"x1/2"		25	250
4061 11438	1"1/4	3/8"x1/2"		20	200
4061 11412	1"1/4	1/2"x1/2"		20	200
4061 11238	1"1/2	3/8"x1/2"		1	-
4061 11212	1"1/2	1/2"x1/2"		1	-

Chrome-plated boiler drain cock.



ART. 3439

Code	size	€	box
3439 12	1/2"		10

Brass boiler drain cock.

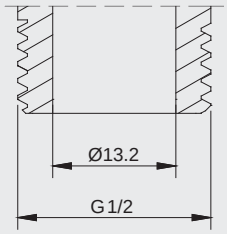


ART. 3447

Code	size	€	box
3447 12	1/2"		10

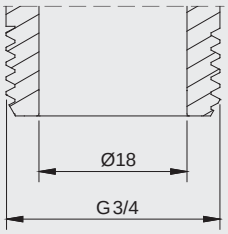
FLAT FACED CONNECTION

This kind of connection has a flat base on the thread head, which provides support for a flat gasket.
It is available in 1/2" and 3/4" sizes.



1/2" FLAT FACED CONNECTION

Available for the following manifolds:
3175-3225-3275-3475-3525-3575-3625-3675-3725-3821-3822-3823-3824-3818-3819-3859-3860-3869-3870-3872-3873

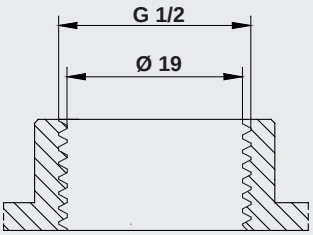


3/4" FLAT FACED CONNECTION

Available for the following manifolds:
3625-3675-3725-3821-3822-3824-3860-3870-3873

IRON FEMALE CONNECTION

It is the normal female connection for iron pipe with BSP thread.
It is available with 1/2" size.



1/2" IRON FEMALE CONNECTION

Available for the following manifolds:
3150-3200-3250-3450-3500-3550-3600-3650-3700

OVERVIEW OF FLAT FACED CONNECTION

For connection of multilayer pipes on flat faced ports, it is possible to use pressfittings with swiveling nut.

The available fittings (ART. 5919) are shown on page 263.

The seal between fitting and manifold is guaranteed by a flat EPDM gasket.



MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3821

Code	outlets	size	€	box	pack
3821 3412TP	1/2" FLAT FACED	3/4"		1	25
3821 3412EU	1/2" EUROKONUS	3/4"		1	25
3821 112TP	1/2" FLAT FACED	1"		1	25
3821 112EU	1/2" EUROKONUS	1"		1	25
3821 134TP	3/4" FLAT FACED	1"		1	25
3821 134EU	3/4" EUROKONUS	1"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3822

Code	outlets	size	€	box	pack
3822 3412TP	1/2" FLAT FACED	3/4"		1	25
3822 3412EU	1/2" EUROKONUS	3/4"		1	25
3822 112TP	1/2" FLAT FACED	1"		1	25
3822 112EU	1/2" EUROKONUS	1"		1	25
3822 134TP	3/4" FLAT FACED	1"		1	25
3822 134EU	3/4" EUROKONUS	1"		1	25

MULTIFAR - 4 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm

NB Insulation on page 185



ART. 3824

Code	outlets	size	€	box	pack
3824 3412TP	1/2" FLAT FACED	3/4"		1	25
3824 3412EU	1/2" EUROKONUS	3/4"		1	25
3824 112TP	1/2" FLAT FACED	1"		1	25
3824 112EU	1/2" EUROKONUS	1"		1	25
3824 134TP	3/4" FLAT FACED	1"		1	25
3824 134EU	3/4" EUROKONUS	1"		1	25

MULTIFAR - 2 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3818

Code	outlets	size	€	box	pack
3818 3412TP	1/2" FLAT FACED	3/4"		1	25
3818 3412EU	1/2" EUROKONUS	3/4"		1	25

MULTIFAR - 3 port chrome-plated modular manifold for both domestic services and heating systems. Complete with manual controls. Each port is equipped with 2 silk-screen printed discs for circuit identification.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**

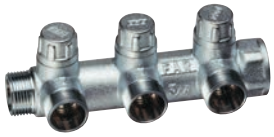


ART. 3819

Code	outlets	size	€	box	pack
3819 3412TP	1/2" FLAT FACED	3/4"		1	25
3819 3412EU	1/2" EUROKONUS	3/4"		1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Side connections: 3/4" - 1" male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 45 mm



ART. 3860-3870-3873

Code	outlets	size	€	box	pack
3860 3412TP	2 - 1/2" FLAT FACED	3/4"		1	25
3860 3412EU	2 - 1/2" EUROKONUS	3/4"		1	25
3860 112TP	2 - 1/2" FLAT FACED	1"		1	25
3860 112EU	2 - 1/2" EUROKONUS	1"		1	25
3860 134TP	2 - 3/4" FLAT FACED	1"		1	25
3860 134EU	2 - 3/4" EUROKONUS	1"		1	25
3870 3412TP	3 - 1/2" FLAT FACED	3/4"		1	25
3870 3412EU	3 - 1/2" EUROKONUS	3/4"		1	25
3870 112TP	3 - 1/2" FLAT FACED	1"		1	25
3870 112EU	3 - 1/2" EUROKONUS	1"		1	25
3870 134TP	3 - 3/4" FLAT FACED	1"		1	25
3870 134EU	3 - 3/4" EUROKONUS	1"		1	25
3873 3412TP	4 - 1/2" FLAT FACED	3/4"		1	25
3873 3412EU	4 - 1/2" EUROKONUS	3/4"		1	25
3873 112TP	4 - 1/2" FLAT FACED	1"		1	25
3873 112EU	4 - 1/2" EUROKONUS	1"		1	25
3873 134TP	4 - 3/4" FLAT FACED	1"		1	25
3873 134EU	4 - 3/4" EUROKONUS	1"		1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Numbered regulating handle with anti-tamper guard
- Outlets: 1/2' - 3/4' male
- Side connections: 3/4" - 1" male-female
- Centre distance between ports: 45 mm





ART. 3879

Code	outlets	size	€	box	pack
3879 341202EU	2 - 1/2"	3/4"		1	25
3879 341203EU	3 - 1/2"	3/4"		1	25
3879 341204EU	4 - 1/2"	3/4"		1	25
3879 11202EU	2 - 1/2"	1"		1	25
3879 11203EU	3 - 1/2"	1"		1	25
3879 11204EU	4 - 1/2"	1"		1	25
3879 13402EU	2 - 3/4"	1"		1	25
3879 13403EU	3 - 3/4"	1"		1	25
3879 13404EU	4 - 3/4"	1"		1	25

MULTIFAR - Chrome-plated modular manifold for both domestic services and heating systems. Complete with regulating valves.

- Body made of CB753S brass
- Side connection: 3/4" female
- Outlets: 1/2" male
- Centre distance between ports: 45 mm
- **WHILE STOCKS LAST**



ART. 3859-3869

Code	outlets	size	€	box	pack
3859 3412TP	2 - 1/2" FLAT FACED	3/4"		1	25
3859 3412EU	2 - 1/2" EUROKONUS	3/4"		1	25
3869 3412TP	3 - 1/2" FLAT FACED	3/4"		1	25
3869 3412EU	3 - 1/2" EUROKONUS	3/4"		1	25

Chrome-plated manifold.

- Body made of CB753S brass
- Side connection: 3/4"-1" female
- Outlets: 1/2" female
- Centre distance between ports: 36 mm



ART. 3150-3200-3250

Code	outlets	size	€	box	pack
3150 1	2	1"		12	120
3200 34	3	3/4"		10	100
3200 1	3	1"		8	80
3250 34	4	3/4"		8	80
3250 1	4	1"		6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4"-1" male-female
- Outlets: 1/2" female
- Centre distance between ports: 36 mm



ART. 3450-3500-3550

Code	outlets	size	€	box	pack
3450 1	2	1"		10	100
3500 34	3	3/4"		9	90
3500 1	3	1"		7	70
3550 34	4	3/4"		8	80
3550 1	4	1"		6	60

Chrome-plated modular manifold.

- Body made of CB753S brass
- Side connections: 3/4"-1"-1"1/4 male - female
- Outlets: 1/2" female
- Centre distance between ports: 50 mm



ART. 3600-3650-3700

Code	outlets	size	€	box	pack
3600 34	2	3/4"		12	120
3600 1	2	1"		8	80
3600 114	2	1"1/4		8	80
3650 34	3	3/4"		8	80
3650 1	3	1"		6	60
3650 114	3	1"1/4		6	60
3700 34	4	3/4"		6	60
3700 1	4	1"		4	40
3700 114	4	1"1/4		4	40

Chrome-plated manifold.
- Body made of CB753S brass
- Side connection: 3/4"-1" female
- Outlets: 1/2" male
- Centre distance between ports: 36 mm
- AVAILABLE ONLY WITH FLAT FACED CONNECTION



ART. 3175-3225-3275

Code	outlets	size	€	box	pack
3175 34	2	3/4"		14	140
3175 1	2	1"		12	120
3225 34	3	3/4"		10	100
3225 1	3	1"		8	80
3275 34	4	3/4"		8	80
3275 1	4	1"		6	60

Chrome-plated modular manifold.
- Body made of CB753S brass
- Side connections: 3/4" male-female
- Outlets: 1/2" male
- Centre distance between ports: 36 mm



ART. 3475-3525-3575

Code	outlets	size	€	box	pack
3475 34TP	2 - 1/2" FLAT FACED	3/4"		12	120
3475 34EU	2 - 1/2" EUROKONUS	3/4"		12	120
3475 1TP	2 - 1/2" FLAT FACED	1"		10	100
3475 1EU	2 - 1/2" EUROKONUS	1"		10	100
3525 34TP	3 - 1/2" FLAT FACED	3/4"		9	90
3525 34EU	3 - 1/2" EUROKONUS	3/4"		9	90
3525 1TP	3 - 1/2" FLAT FACED	1"		7	70
3525 1EU	3 - 1/2" EUROKONUS	1"		7	70
3575 34TP	4 - 1/2" FLAT FACED	3/4"		8	80
3575 34EU	4 - 1/2" EUROKONUS	3/4"		8	80
3575 1TP	4 - 1/2" FLAT FACED	1"		6	60
3575 1EU	4 - 1/2" EUROKONUS	1"		6	60

Chrome-plated modular manifold.
- Body made of CB753S brass
- Side connections: 3/4" male-female
- Outlets: 1/2" male
- Side connections: 1"-1"1/4 male-female
- Outlets: 1/2"-3/4" male
- Centre distance between ports: 50 mm



ART. 3625

Code	outlets	size	€	box	pack
3625 3412TP	2 - 1/2" FLAT FACED	3/4"		12	120
3625 3412EU	2 - 1/2" EUROKONUS	3/4"		12	120
3625 112TP	2 - 1/2" FLAT FACED	1"		8	80
3625 112EU	2 - 1/2" EUROKONUS	1"		8	80
3625 134TP	2 - 3/4" FLAT FACED	1"		8	80
3625 134EU	2 - 3/4" EUROKONUS	1"		8	80
3625 11412TP	2 - 1/2" FLAT FACED	1"1/4		8	80
3625 11412EU	2 - 1/2" EUROKONUS	1"1/4		8	80
3625 11434TP	2 - 3/4" FLAT FACED	1"1/4		8	80
3625 11434EU	2 - 3/4" EUROKONUS	1"1/4		8	80

ART. 3675-3725

Code	outlets	size	€	box	pack
3675 3412TP	3 - 1/2" FLAT FACED	3/4"		8	80
3675 3412EU	3 - 1/2" EUROKONUS	3/4"		8	80
3675 112TP	3 - 1/2" FLAT FACED	1"		6	60
3675 112EU	3 - 1/2" EUROKONUS	1"		6	60
3675 134TP	3 - 3/4" FLAT FACED	1"		6	60
3675 134EU	3 - 3/4" EUROKONUS	1"		6	60
3675 11412TP	3 - 1/2" FLAT FACED	1"1/4		6	60
3675 11412EU	3 - 1/2" EUROKONUS	1"1/4		6	60
3675 11434TP	3 - 3/4" FLAT FACED	1"1/4		6	60
3675 11434EU	3 - 3/4" EUROKONUS	1"1/4		6	60
3725 3412TP	4 - 1/2" FLAT FACED	3/4"		6	60
3725 3412EU	4 - 1/2" EUROKONUS	3/4"		6	60
3725 112TP	4 - 1/2" FLAT FACED	1"		4	40
3725 112EU	4 - 1/2" EUROKONUS	1"		4	40
3725 134TP	4 - 3/4" FLAT FACED	1"		4	40
3725 134EU	4 - 3/4" EUROKONUS	1"		4	40
3725 11412TP	4 - 1/2" FLAT FACED	1"1/4		4	40
3725 11412EU	4 - 1/2" EUROKONUS	1"1/4		4	40
3725 11434TP	4 - 3/4" FLAT FACED	1"1/4		4	40
3725 11434EU	4 - 3/4" EUROKONUS	1"1/4		4	40

Chrome-plated straight terminal blanking reduction for modular manifolds complete with gasket.

- Connection: 3/4"-1" female
- Outlets: 1/4"-3/8"-1/2"- female
- Connection: 1"1/4 female
- Outlets: 1/4"-3/8"-1/2"-3/4" female



ART. 4000

Code	size	€	box	pack
4000 3414	3/4"x1/4"		30	300
4000 3438	3/4"x3/8"		30	300
4000 3412	3/4"x1/2"		30	300
4000 114	1"x1/4"		30	300
4000 138	1"x3/8"		30	300
4000 112	1"x1/2"		30	300
4000 11414	1"1/4x1/4"		25	250
4000 11438	1"1/4x3/8"		25	250
4000 11412	1"1/4x1/2"		25	250
4000 11434	1"1/4x3/4"		25	250

Chrome-plated angled terminal blanking reduction for modular manifolds.

- Connection: 3/4"-1"- 1"1/4 female
- Outlets: 1/4"-3/8"-1/2" female



ART. 4050

Code	size	€	box	pack
4050 3414	3/4"x1/4"		30	240
4050 3438	3/4"x3/8"		30	240
4050 3412	3/4"x1/2"		30	240
4050 114	1"x1/4"		30	180
4050 138	1"x3/8"		30	180
4050 112	1"x1/2"		30	180
4050 11438	1"1/4x3/8"		30	180
4050 11412	1"1/4x1/2"		30	180

Chrome-plated blind cap complete with gasket.



ART. 4100

Code	size	€	box	pack
4100 12	1/2"		50	500
4100 34	3/4"		40	400
4100 1	1"		30	300
4100 114	1"1/4		30	300
4100 112	1"1/2		15	150
4100 2	2"		10	100

Chrome-plated male plug for manifold outlets.



ART. 4125

Code	size	€	box	pack
4125 12	1/2"		30	-

Chrome-plated terminal blanking plug with O-ring seal for manifolds.



ART. 4150

Code	size	€	box	pack
4150 1	1"		1	250

Chrome-plated terminal blanking reduction with O-ring seal for manifolds with connection for air vent valve.



ART. 4200

Code	size	€	box	pack
4200 3414	3/4"x1/4"		25	250
4200 3438	3/4"x3/8"		25	250
4200 3412	3/4"x1/2"		25	250
4200 114	1"x1/4"		25	250
4200 138	1"x3/8"		25	250
4200 112	1"x1/2"		25	250
4200 134	1"x3/4"		25	250
4200 11412	1"1/4x1/2"		25	250
4200 11434	1"1/4x3/4"		25	250
4200 1141	1"1/4x1"		25	250
4200 1121	1"1/2x1"		10	100
4200 21	2"x1"		10	100

End closing plug for flanged manifolds.



ART. 4310

Code	size	€	box
4310 1	1"		30

SIMPLYFAR - Chrome plated extensible and repair joint.

- Body made of brass CW614N
- 3/4" EUROKONUS connections
- EPDM double sealing O-ring
- Suitable for underfloor installation

SIMPLYFAR



ART. 8881

Code	extension	size	€	box	pack
8881 3034EU	66-95 mm	3/4'		5	-

The extensible FAR joint with EUROKONUS connections can be used as a repair joint in case of leaks or damaged pipes and, if needed, as an extension with a maximum expansion of 95 mm.



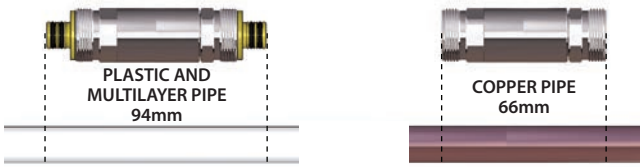


INSTALLATION

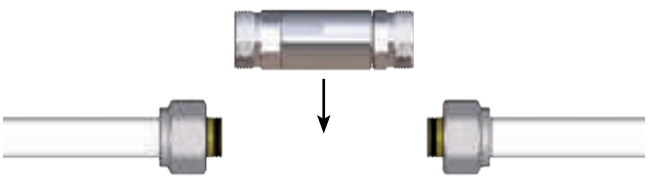
1 Find the leakage on the pipe



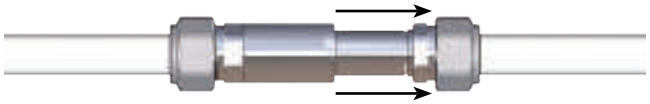
2 Cut the portion of damaged pipe taking the following dimensions as a reference



3 Insert the adapters and place the joint.



4 Extend the joint until it's completely screwed in and connect it to the pipe



Chrome-plated fitting.
- Fitting body in CW617N forged brass
- Male eurokonus connection

ART. 5800



Code	size	€	box	pack
5800 12	1/2"		50	500
5800 34	3/4"		50	500

Chrome-plated fitting.
- Fitting body in CW617N forged brass
- Male eurokonus connection-female connection

ART. 5805



Code	size	€	box	pack
5805 12	1/2"		50	500
5805 34	3/4"		50	500

Chrome-plated elbow.
- Fitting body in CW617N forged brass
- Male eurokonus connection

ART. 5810



Code	size	€	box	pack
5810 12	1/2"		25	250
5810 34	3/4"		25	250

Chrome-plated elbow.
- Fitting body in CW617N forged brass
- Male eurokonus connection-female connection

ART. 5815



Code	size	€	box	pack
5815 12	1/2"		25	250
5815 34	3/4"		25	250

Chrome-plated T connection.
- Fitting body in CW617N forged brass
- 1/2"x1/2"x1/2" male eurokonus connections

ART. 5820



Code	size	€	box	pack
5820 12	1/2"		25	250

Chrome-plated T connection.
- Fitting body in CW617N forged brass
- 1/2"x1/2" X1/2" male-female eurokonus connections

ART. 5825



Code	size	€	box	pack
5825 12	1/2"		25	250

Chrome-plated wall-mounted connection.
- Fitting body in CW617N forged brass
- 1/2" male eurokonus connection

ART. 5830



Code	size	€	box	pack
5830 12	1/2"		25	250

Chrome-plated bent connection for domestic systems.
- Fitting body in CW617N forged brass
- 1/2" male eurokonus connection

ART. 5835



Code	size	€	box	pack
5835 12	1/2"		25	250

Chrome-plated flow-through straight connection.
- Fitting body in CW617N forged brass
- 1/2"x1/2" male eurokonus connections

ART. 5840



Code	size	€	box	pack
5840 12	1/2"		25	250

Chrome-plated flow-through "L" connection.
- Fitting body in CW617N forged brass
- 1/2"x1/2" male eurokonus connections

ART. 5845



Code	size	€	box	pack
5845 12	1/2"		25	250

Chrome-plated terminal connection.
- Fitting body in CW617N forged brass
- 1/2" male eurokonus connection

ART. 5850



Code	size	€	box	pack
5850 12	1/2"		25	250

Adapter for plastic pipes complete with chrome-plated nut. Suitable for all our products with EUROKONUS connection.



ART. 6075

Code	nut	size	€	box	pack
6075 65851	1/2"	14x2		50	250
6075 581007	1/2"	16x2		50	250
6075 58845	1/2"	16x2,2		50	250
6075 65847	3/4"	14x2		50	250
6075 823999	3/4"	16x2		50	250
6075 823855	3/4"	16x2,2		50	250
6075 150283	3/4"	17x2		50	250
6075 825848	3/4"	20x2		50	250
6075 825846	3/4"	20x2,8		50	250
6075 288287	3/4"	21x2,4		50	250
6075 288286	3/4"	21x2,5		50	250
6075 288849	3/4"	21x3,5		50	250

Adapter for multilayer pipes complete with chrome-plated nut. Suitable for all our products with EUROKONUS connection.



ART. 6076

Code	nut	size	€	box	pack
6076 65803	1/2"	14x2		50	250
6076 58802	1/2"	16x2		50	250
6076 65850	3/4"	14x2		50	250
6076 823824	3/4"	16x2		50	250
6076 150875	3/4"	17x2		50	250
6076 44839	3/4"	18x2		50	250
6076 825826	3/4"	20x2		50	250
6076 825844	3/4"	20x2,5		50	250
6076 2881135	3/4"	21x3,5		50	250

Sealing compression KIT in rubber for copper pipe.
- brass pipe guide washer
- rubber gasket
- brass ring
- 3/4" chrome-plated nut



ART. 8420

Code	nut	size	€	box	pack
8420 15	3/4"	15		50	500

Sealing compression KIT in rubber for copper pipe.
- rubber gasket
- brass ring
- 3/4" chrome-plated nut

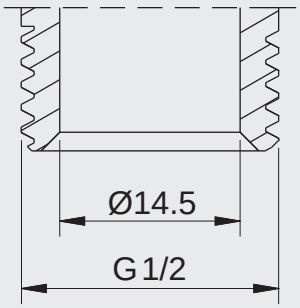


ART. 8421

Code	nut	size	€	box	pack
8421 18	3/4"	18		50	500

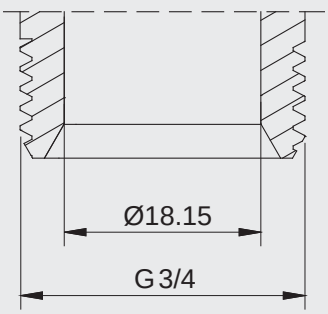
EUROKONUS CONNECTION

Eurokonus connections are available for 1/2" and 3/4" sizes.
They permit connection of multilayer, plastic and copper pipes to manifolds by means of adapters:
- Art. 6075 for plastic pipe
- Art. 6076 for multilayer pipe
- Art. 8420 and 8421 for copper pipe



1/2" EUROKONUS CONNECTION

Available for the following manifolds:
3466-3467-3468-3475-3525-3575-3625-3675-3725-3580-3581-3818-3819-3821-3822-3823-3824-3859-3860-3869-3870-3872-3873-3879-3911-3921-3928-3980-3981



3/4" EUROKONUS CONNECTION

Available for the following manifolds:
3466-3467-3468-3469-3470-3471-3485-3486-3487-3488-3489-3492-3580-3581-3582-3583-3584-3585-3586-3587-3588-3589-3590-3591-3625-3675-3725-3821-3822-3824-3860-3870-3873-3879-3911-3917-3918-3919-3921-3928-3980-3981-3982-3983-3988-3998-398R-399R-3974-3984-3994



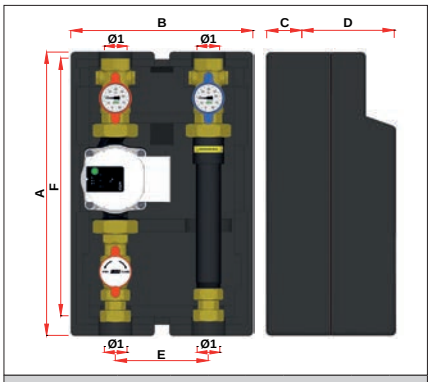
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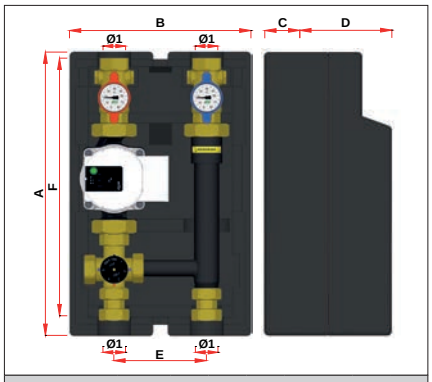
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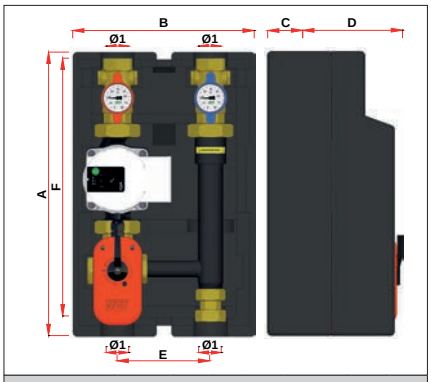
ART. 2166

CODE	Ø1	A	B	C	D	E	F
2166 1130xx	1”	384	245	55	115	125	347
2166 1180xx	1”	434	245	67	115/154	125	397
2166 114180xx	1”1/4	434	245	69	114/149	125	412



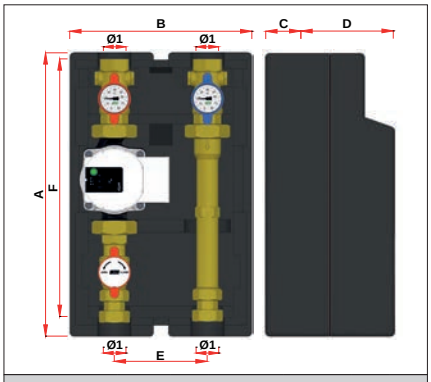
ART. 2167

CODE	Ø1	A	B	C	D	E	F
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2167 1180xx	1”	434	245	67	115/154	125	397



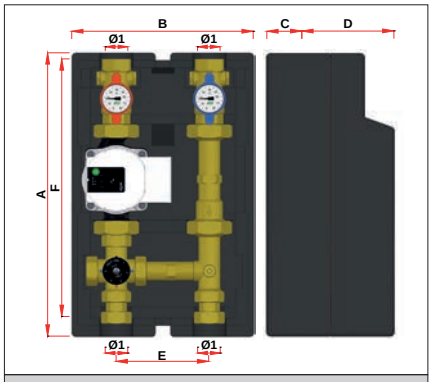
ART. 2168

CODE	Ø1	A	B	C	D	E	F
2168 1130xx	1”	384	245	55	128	125	347
2168 1180xx	1”	434	245	67	128/154	125	397
2168 114180xx	1”1/4	434	245	69	126/149	125	412



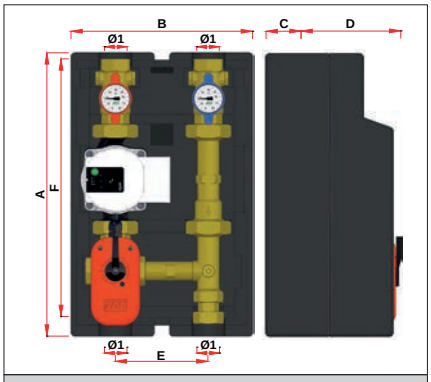
ART. 2171

CODE	Ø1	A	B	C	D	E	F
2171 1130EA	1”	384	245	55	115	125	347
2171 1180xx	1”	434	245	67	115/154	125	397



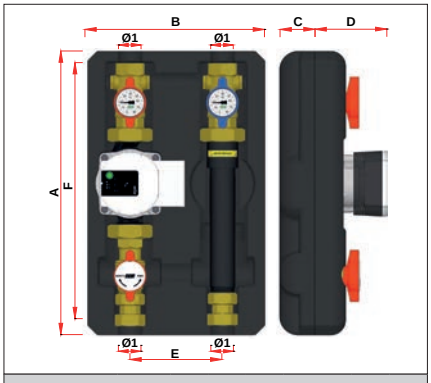
ART. 2174

CODE	Ø1	A	B	C	D	E	F
2174 1130EA	1”	384	245	55	115	125	347
2174 1180xx	1”	434	245	67	115/154	125	397



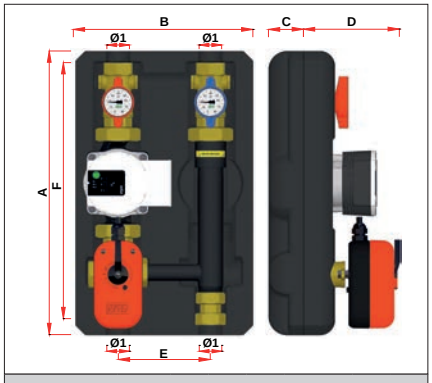
ART. 2176

CODE	Ø1	A	B	C	D	E	F
2176 1130EA	1”	384	245	55	115	125	347
2176 1180xx	1”	434	245	67	115/154	125	397



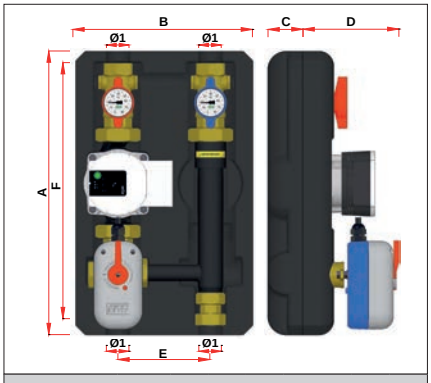
ART. 2187

CODE	Ø1	A	B	C	D	E	F
2187 1130xx	1”	385	240	49	96	125	347
2187 1180xx	1”	435	240	52	98/154	125	397
2187 114180xx	1”1/4	435	240	52	115/149	125	412



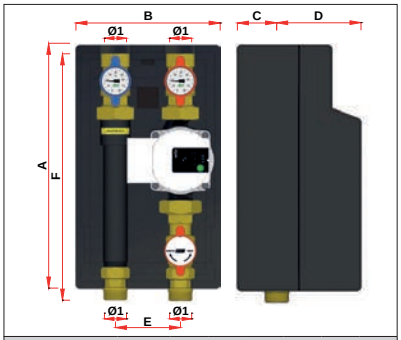
ART. 2188

CODE	Ø1	A	B	C	D	E	F
2188 1130xx	1”	385	240	49	128	125	347
2188 1180xx	1”	435	240	52	128/154	125	397
2188 114180xx	1”1/4	435	240	52	126/149	125	412



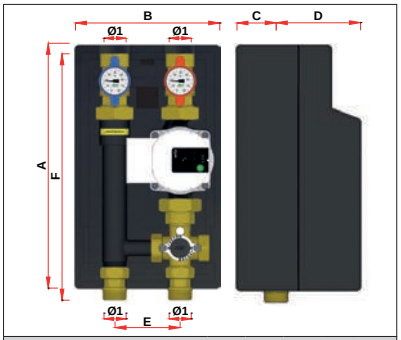
ART. 2189

CODE	Ø1	A	B	C	D	E	F
2189 1130xx	1”	385	240	49	128	125	347
2189 1180xx	1”	435	240	52	128/154	125	397
2189 114180xx	1”1/4	435	240	52	126/149	125	412



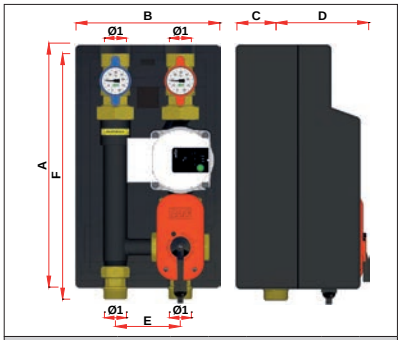
ART. 216A

CODE	Ø1	A	B	C	D	E	F
216A 1130EA	1”	337	200	55	115	90	341



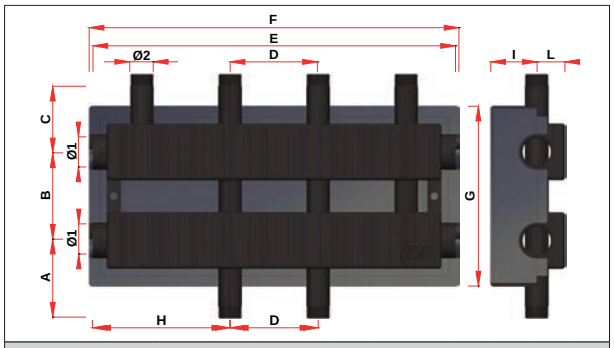
ART. 216D

CODE	Ø1	A	B	C	D	E	F
216D 1130EA	1”	337	200	55	115	90	341



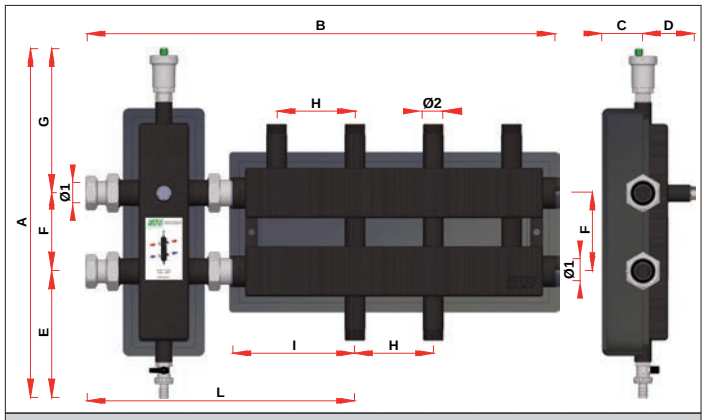
ART. 216C

CODE	Ø1	A	B	C	D	E	F
216C 1130EA	1”	337	200	55	128	90	341



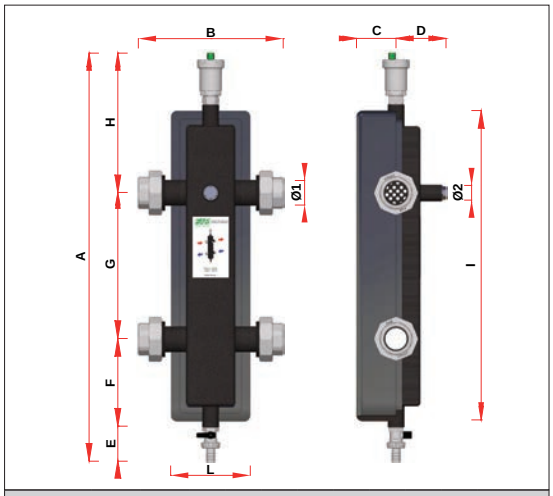
ART. 2191

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2191 11402	1"1/4	1"	110	125	94	125	515	525	255	195	65	40
2191 11403	1"1/4	1"	110	125	94	125	765	775	255	195	65	40
2191 202	2"	1"1/4	130	165	113	125	515	525	335	195	85	60
2191 203	2"	1"1/4	130	165	113	125	765	775	335	195	85	60
2191 204	2"	1"1/4	130	165	113	125	1015	1025	335	195	85	60



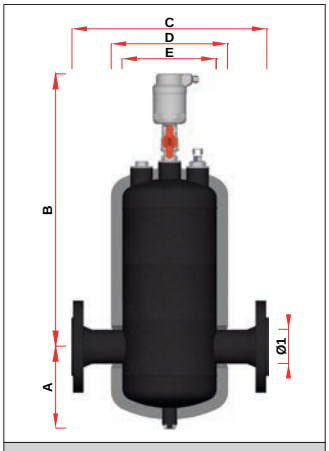
ART. 2192

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2192 11402	1"1/4	1"	559	755	65	83	203	125	231	125	195	430
2192 11403	1"1/4	1"	559	1005	65	83	203	125	231	125	195	430



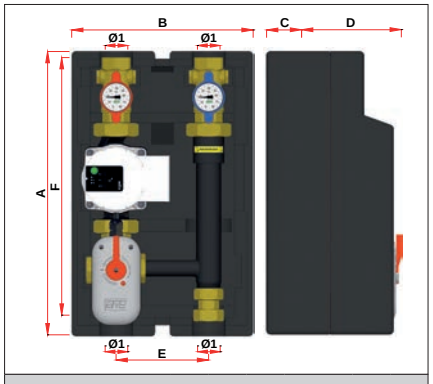
ART. 2161

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I	L
2161 1	1"	1/2"	634	203	60	78	58	135	220	221	470	120
2161 114	1"1/4	1/2"	674	239	65	83	58	145	240	231	510	130
2161 112	1"1/2	1/2"	714	267	75	93	58	155	260	241	550	150
2161 2	2"	1/2"	834	338	85	103	58	185	320	271	670	170



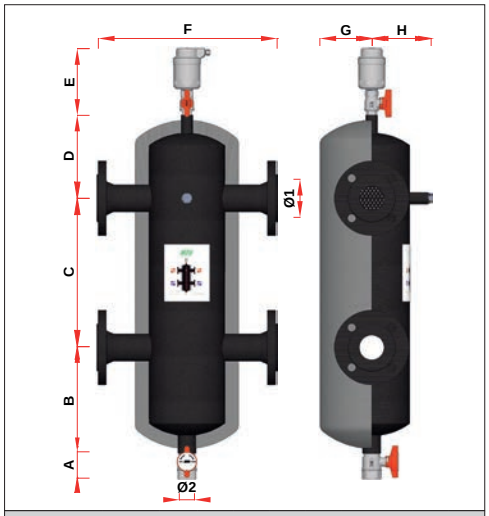
ART. 2258

CODE	Ø1	A	B	C	D	E
2258 50	DN50	148	490	350	208	168
2258 65	DN65	148	490	350	208	168
2258 80	DN80	178	600	517	313	273
2258 100	DN100	178	600	517	313	273
2258 125	DN125	228	660	580	364	324
2258 150	DN150	228	660	580	364	324



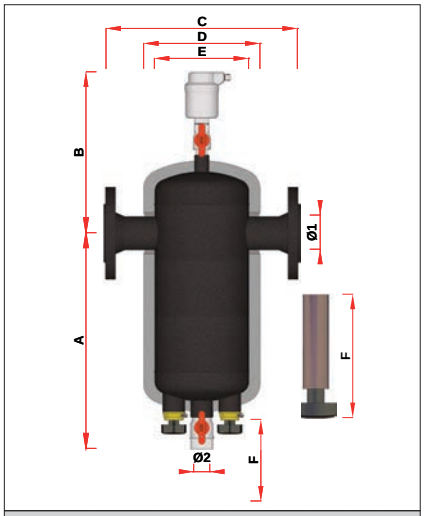
ART. 2186

CODE	Ø1	A	B	C	D	E	F
2186 1130xx	1"	384	245	55	128	125	347
2186 1180xx	1"	434	245	67	128/154	125	397
2186 114180xx	1"1/4	434	245	69	126/149	125	412



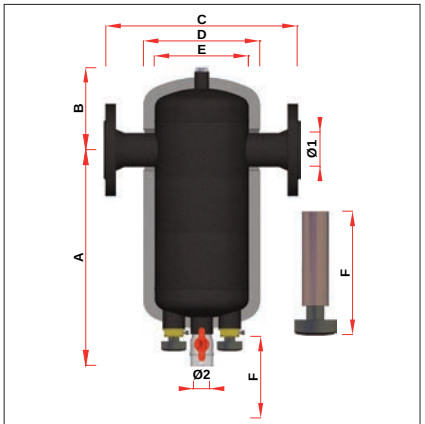
ART. 2164

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
2164 50	DN50	1"	57	234	330	184	148	399	114	132
2164 65	DN65	1"	57	234	330	184	148	399	114	132
2164 80	DN80	1"	57	280	450	230	148	517	167	184
2164 100	DN100	1"	57	280	450	230	148	517	167	184
2164 125	DN125	1"	57	280	560	230	148	580	188	210
2164 150	DN150	1"	57	280	560	230	148	580	188	210



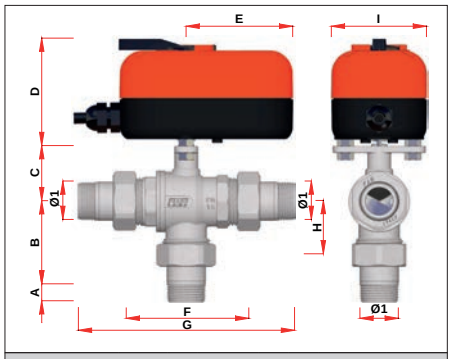
ART. 2242

CODE	Ø1	Ø2	A	B	C	D	E	F
2242 50	DN50	1"	387	289	350	208	168	140
2242 65	DN65	1"	387	289	350	208	168	140
2242 80	DN80	1"	497	319	517	313	273	140
2242 100	DN100	1"	497	319	517	313	273	140
2242 125	DN125	1"	557	369	580	364	324	140
2242 150	DN150	1"	557	369	580	364	324	140



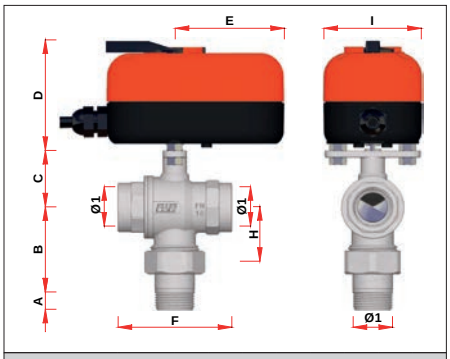
ART. 2236-2241

CODE	Ø1	Ø2	A	B	C	D	E	F
2236 50	DN50	1"	387	148	350	208	168	--
2236 65	DN65	1"	387	148	350	208	168	--
2236 80	DN80	1"	497	178	517	313	273	--
2236 100	DN100	1"	497	178	517	313	273	--
2236 125	DN125	1"	557	228	580	364	324	--
2236 150	DN150	1"	557	228	580	364	324	--
2241 50	DN50	1"	387	148	350	208	168	140
2241 65	DN65	1"	387	148	350	208	168	140
2241 80	DN80	1"	497	178	517	313	273	140
2241 100	DN100	1"	497	178	517	313	273	140
2241 125	DN125	1"	557	228	580	364	324	140
2241 150	DN150	1"	557	228	580	364	324	140



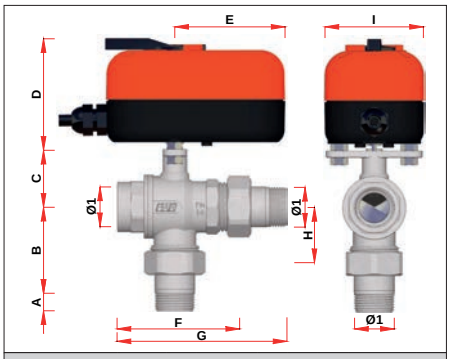
ART. 301020

CODE	Ø1	A	B	C	D	E	F	G	H	I
301020 1240	1/2"	13	48	33	75	74	75	136	28	66
301020 3440	3/4"	14	56	38	75	74	84	150	36	66
301020 140	1"	16	63	42	75	74	94	172	41	66
301020 11440	1"1/4	18	71	47	75	74	107	190	48	66



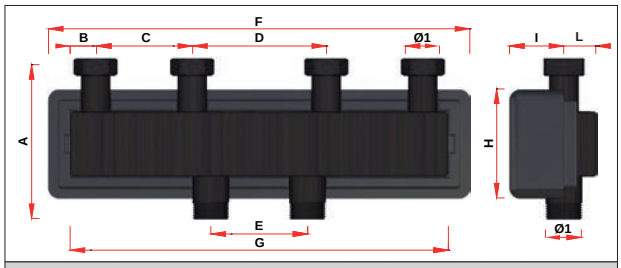
ART. 301021

CODE	Ø1	A	B	C	D	E	F	G	H
301021 1240	1/2"	13	48	33	75	74	64	28	66
301021 3440	3/4"	14	56	38	75	74	77	36	66
301021 140	1"	16	63	42	75	74	90	41	66



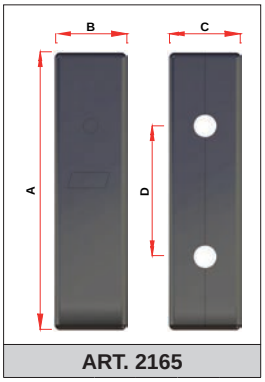
ART. 301022

CODE	Ø1	A	B	C	D	E	F	G	H	I
301022 1240	1/2"	13	48	33	75	74	70	100	28	66
301022 3440	3/4"	14	56	38	75	74	80	114	36	66
301022 140	1"	16	63	42	75	74	92	132	41	66
301022 11440	1"1/4	18	71	47	75	74	106	148	48	66



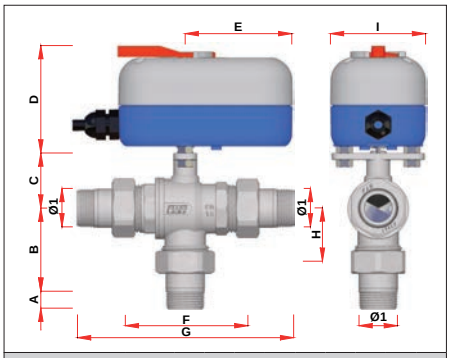
ART. 2194

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
2194 10290	1"	143	24	90	125	90	393	352	101	50	30



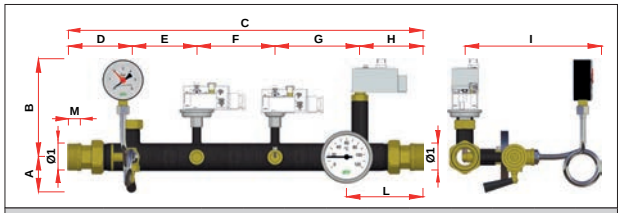
ART. 2165

CODE	A	B	C	D
2165 1	470	120	120	220
2165 114	510	130	130	240
2165 112	550	150	150	260
2165 2	670	170	170	320



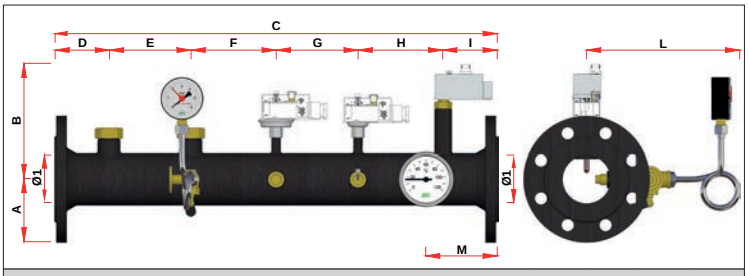
ART. 301220

CODE	Ø1	A	B	C	D	E	F	G	H	I
301220 12180	1/2"	13	48	33	75	74	75	136	28	66
301220 34180	3/4"	14	56	38	75	74	84	150	36	66
301220 1180	1"	16	63	42	75	74	94	171	41	66
301220 114180	1"1/4	18	71	47	75	74	107	190	48	66



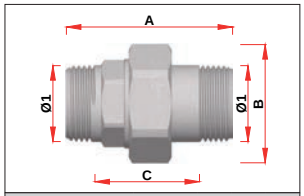
ART. 2118

CODE	Ø1	A	B	C	D	E	F	G	H	I	L	M
2118 114	1"1/4	54	150	546	98	100	120	130	98	209	118	18
2118 112	1"1/2	54	153	576	98	130	120	130	98	211	118	18
2118 2	2"	54	159	592	106	130	120	130	106	217	126	22



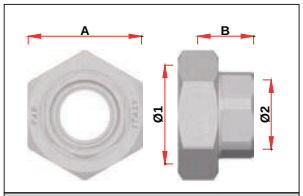
ART. 2118

CODE	Ø1	A	B	C	D	E	F	G	H	I	L	M
2118 50	DN50	83	160	520	80	-	125	120	125	70	217	95
2118 65	DN65	93	168	650	80	120	125	120	125	80	225	105
2118 80	DN80	100	174	650	80	120	125	120	125	80	232	105



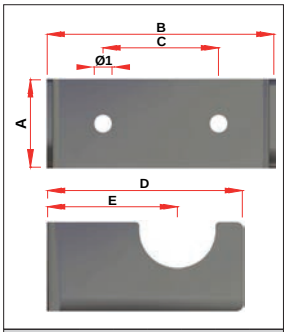
ART. 5143-5153

CODE	Ø1	A	B	C
5143-5153 12	1/2"	60	33	38
5143-5153 34	3/4"	65	41	42
5143-5153 1	1"	73	52	47
5143-5153 114	1"1/4	81	62	50



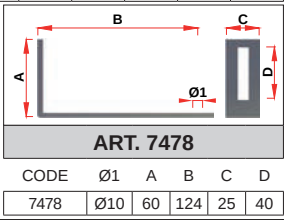
ART. 8346

CODE	Ø1	Ø2	A	B
8346 34	1"1/2	3/4"	54	23
8346 1	1"1/2	1"	54	26
8346 114	2"	1"1/4	68	29
8346 112	2"1/4	1"1/2	74	33
8346 2	2"1/4	2"	74	59



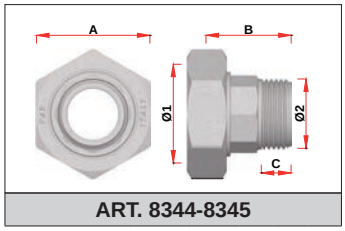
ART. 2162

CODE	Ø1	A	B	C	D	E
2162 1	10	50	128	65	110	73
2162 114	10	50	141	65	115	78
2162 112	10	50	161	80	130	88
2162 2	10	50	181	100	145	98



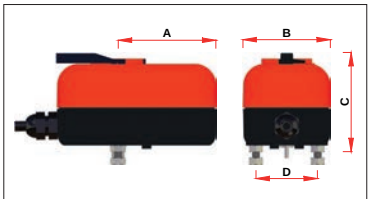
ART. 7478

CODE	Ø1	A	B	C	D
7478	Ø10	60	124	25	40



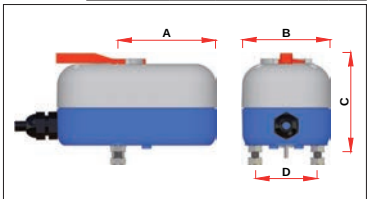
ART. 8344-8345

CODE	Ø1	Ø2	A	B	C
8344-8345 341	1"	3/4"	37	32	14
8344-8345 34	1"1/2	3/4"	54	40	14
8344-8345 1	1"1/2	1"	54	40	16



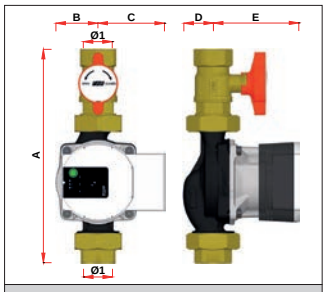
ART. 3010-3011

CODE	A	B	C	D
3010-3011	74	66	75	47



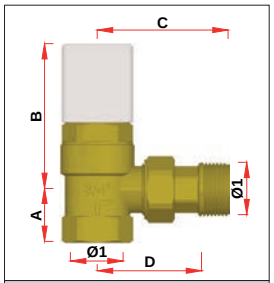
ART. 3012

CODE	A	B	C	D
3012	74	66	75	47



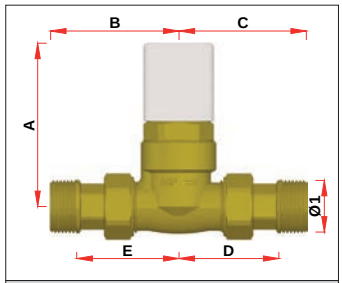
ART. 218A

CODE	Ø1	A	B	C	D	E
218A 1130EA	G1	239	47	75	33	96



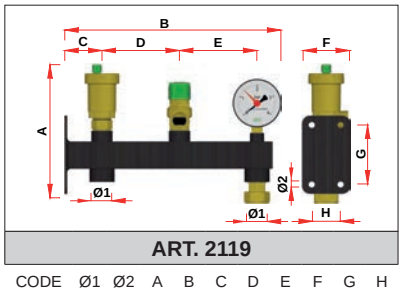
ART. 2020

CODE	Ø1	A	B	C	D
2020 34	3/4”	27	74	65	51



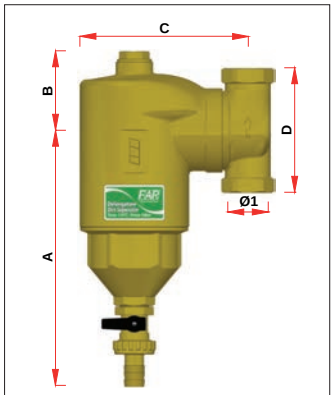
ART. 2021

CODE	Ø1	A	B	C	D	E
2021 34	3/4”	83	65	64	50	51



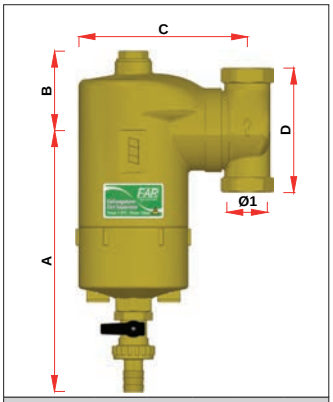
ART. 2119

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
2119	3/4”	8	173	279	48	100	100	60	76	36



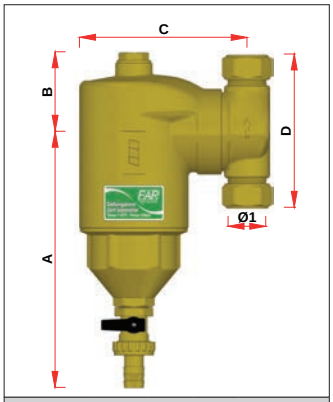
ART. 2207

CODE	Ø1	A	B	C	D
2207 34	3/4”	181	56	119	88
2207 1	1”	181	56	119	102
2207 114	1”1/4	181	56	126	103
2207 112	1”1/2	192	74	139	120
2207 2	2”	192	74	145	125



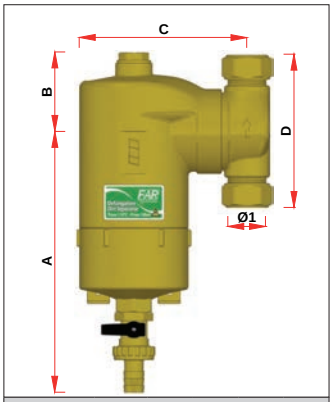
ART. 2212

CODE	Ø1	A	B	C	D
2212 34	3/4”	185	56	119	88
2212 1	1”	185	56	119	102
2212 114	1”1/4	185	56	126	103
2212 112	1”1/2	196	74	139	120
2212 2	2”	196	74	145	125



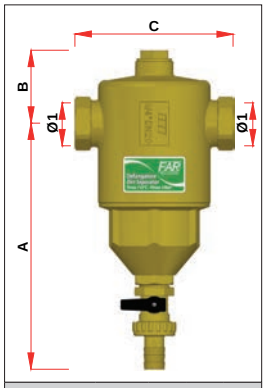
ART. 2210

CODE	Ø1	A	B	C	D
2210 3422	Ø22	181	56	119	108
2210 128	Ø28	181	56	119	110



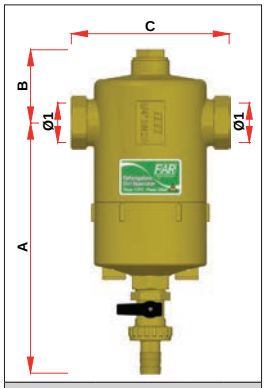
ART. 2216

CODE	Ø1	A	B	C	D
2216 3422	Ø22	185	56	119	108
2216 128	Ø28	185	56	119	110



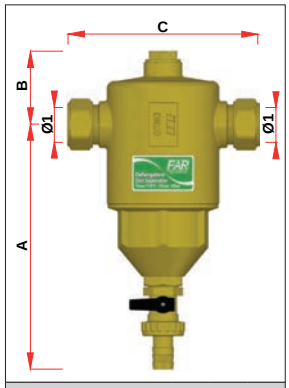
ART. 2200

CODE	Ø1	A	B	C
2200 34	3/4”	170	51	109
2200 1	1”	170	51	109
2200 114	1”1/4	184	56	119
2200 112	1”1/2	184	56	119
2200 2	2”	180	61	126



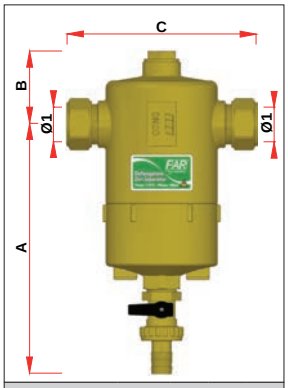
ART. 2205

CODE	Ø1	A	B	C
2205 34	3/4”	174	51	109
2205 1	1”	174	51	109
2205 114	1”1/4	188	56	119
2205 112	1”1/2	188	56	119
2205 2	2”	184	61	126



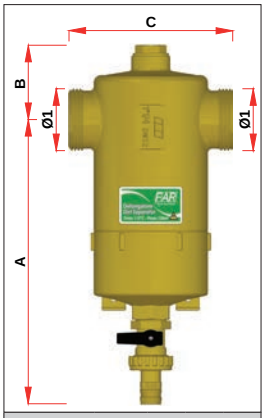
ART. 2203

CODE	Ø1	A	B	C
2203 3422	Ø22	170	51	131
2203 128	Ø28	170	51	132



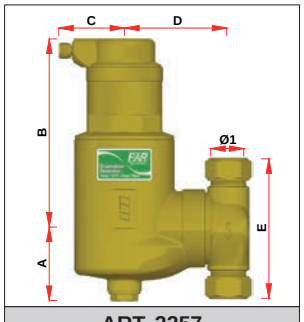
ART. 2214

CODE	Ø1	A	B	C
2214 3422	Ø22	174	51	131
2214 128	Ø28	174	51	132



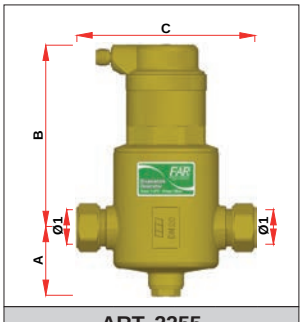
ART. 2218

CODE	Ø1	A	B	C
2218 114	1”1/4	193	51	111



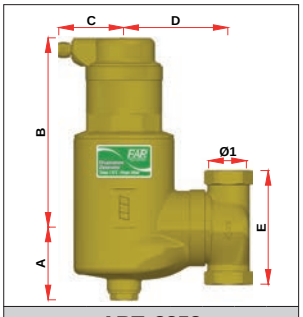
ART. 2257

CODE	Ø1	A	B	C	D	E
2257 3422	Ø22	56	146	52	80	108
2257 128	Ø28	56	146	52	80	110



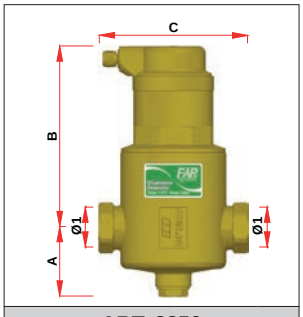
ART. 2255

CODE	Ø1	A	B	C
2255 3422	Ø22	51	134	131
2255 128	Ø28	51	134	132



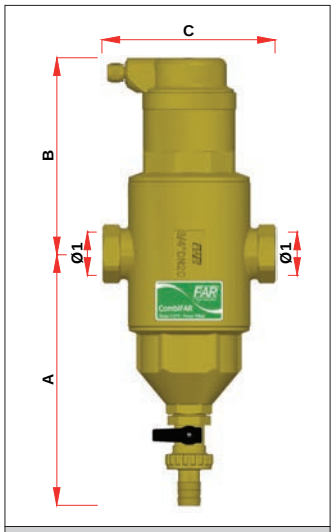
ART. 2253

CODE	Ø1	A	B	C	D	E
2253 34	3/4”	56	146	52	80	88
2253 1	1”	56	146	52	80	102
2253 114	1”1/4	56	146	52	88	103
2253 112	1”1/2	74	159	52	97	120
2253 2	2”	74	159	52	103	125



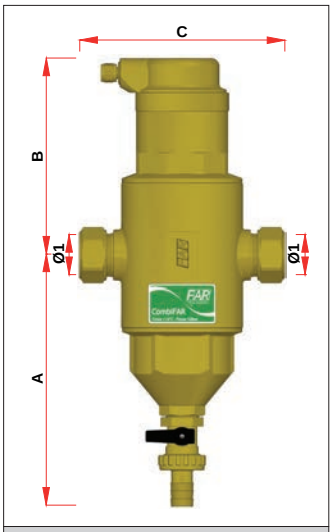
ART. 2250

CODE	Ø1	A	B	C
2250 34	3/4”	51	134	109
2250 1	1”	51	134	109
2250 114	1”1/4	56	149	119
2250 112	1”1/2	56	149	119
2250 2	2”	61	145	126



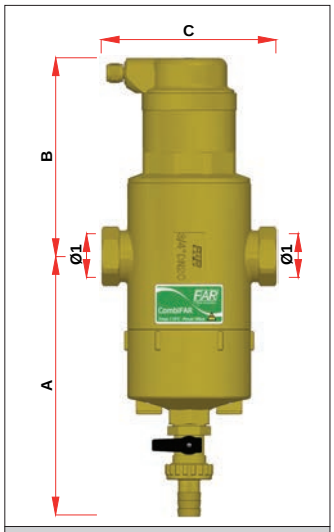
ART. 2220

CODE	Ø1	A	B	C
2220 34	3/4”	160	125	109
2220 1	1”	160	125	109



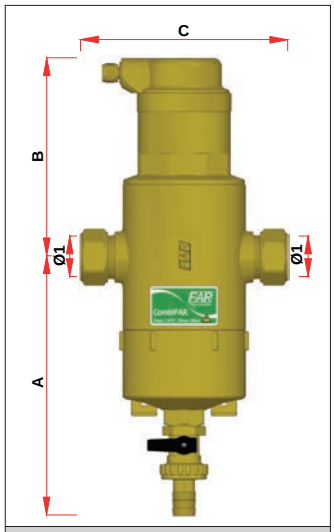
ART. 2222

CODE	Ø1	A	B	C
2222 3422	Ø22	160	125	131
2222 128	Ø28	160	125	132



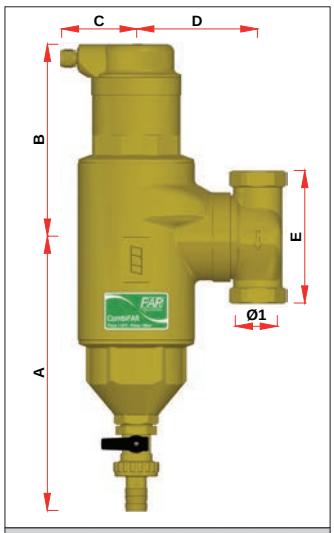
ART. 2225

CODE	Ø1	A	B	C
2225 34	3/4”	164	125	109
2225 1	1”	164	125	109



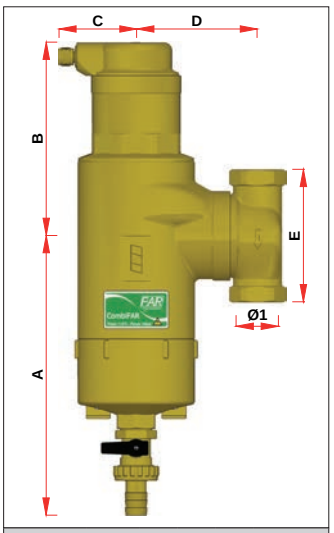
ART. 2227

CODE	Ø1	A	B	C
2227 3422	Ø22	164	125	131
2227 128	Ø28	164	125	132



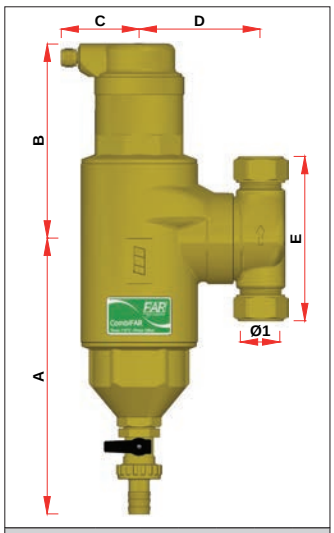
ART. 2229

CODE	Ø1	A	B	C	D	E
2229 34	3/4”	182	128	52	80	88
2229 1	1”	182	128	52	80	102
2229 114	1”1/4	182	128	52	88	103



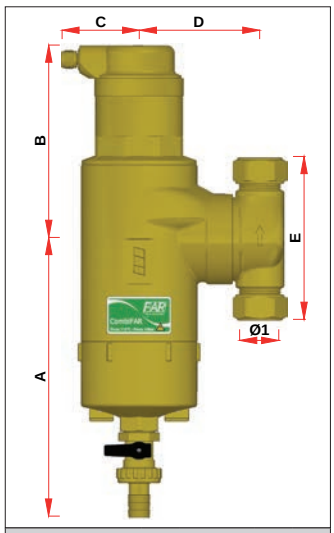
ART. 2231

CODE	Ø1	A	B	C	D	E
2231 34	3/4”	186	128	52	80	88
2231 1	1”	186	128	52	80	102
2231 114	1”1/4	186	128	52	88	103



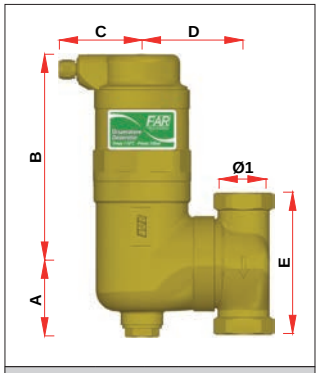
ART. 2233

CODE	Ø1	A	B	C	D	E
2233 3422	Ø22	182	128	52	80	108
2233 128	Ø28	182	128	52	80	110



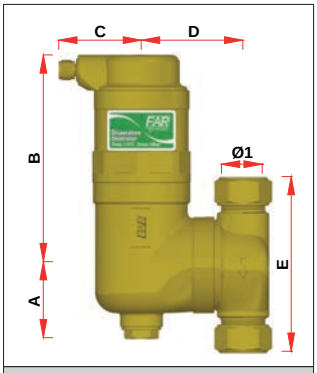
ART. 2235

CODE	Ø1	A	B	C	D	E
2235 3422	Ø22	186	128	52	80	108
2235 128	Ø28	186	128	52	80	110



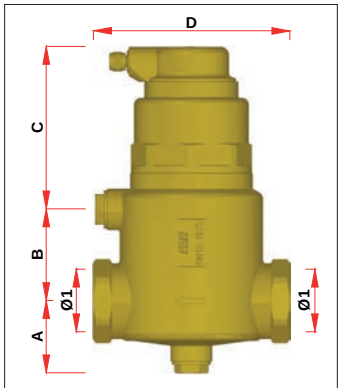
ART. 2254

CODE	Ø1	A	B	C	D	E
2254 34	3/4”	46	130	52	63	88
2254 1	1”	46	130	52	64	102



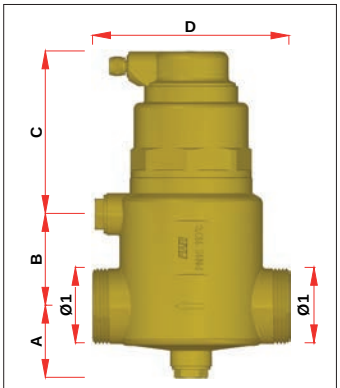
ART. 2259

CODE	Ø1	A	B	C	D	E
2259 3422	Ø22	46	130	52	63	108
2259 128	Ø28	46	130	52	64	110



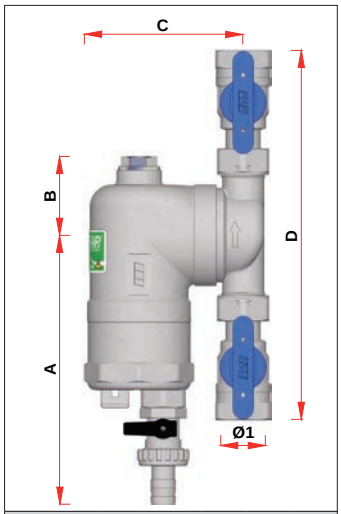
ART. 2291

CODE	Ø1	A	B	C	D
2291 114	1”1/4	46	58	103	124



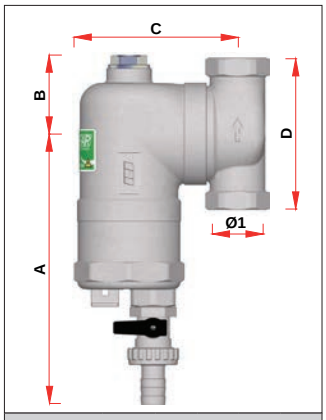
ART. 2292

CODE	Ø1	A	B	C	D
2292 112	1”1/2	46	58	103	124



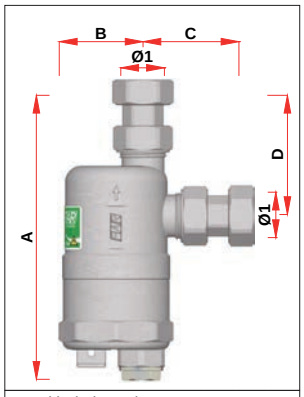
ART. 2271

CODE	Ø1	A	B	C	D
2271 34	3/4"	158	46	93	216
2271 1	1"	158	46	95	249



ART. 2272

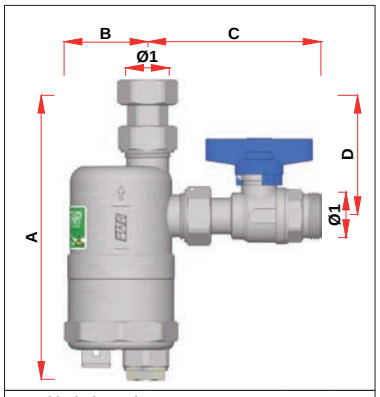
CODE	Ø1	A	B	C	D
2272 34	3/4"	158	46	95	88
2272 1	1"	158	46	97	102



* = with drain cock

ART. 2273-2275

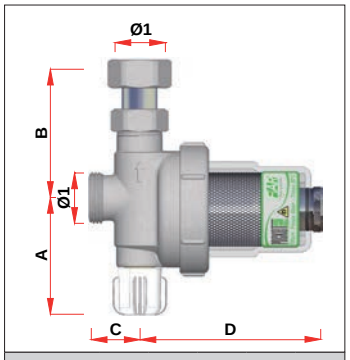
CODE	Ø1	A	B	C	D
2273 34	3/4"	161 (192*)	47	54	68
2275 34	3/4"	161 (192*)	47	54	68



* = with drain cock

ART. 2274

CODE	Ø1	A	B	C	D
2274 34	3/4"	161 (192*)	47	97	68



ART. 2280

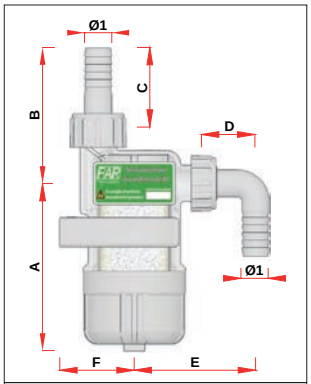
CODE	Ø1	A	B	C	D
2280 34	3/4"	61	54-65	26	94



* = with drain cock

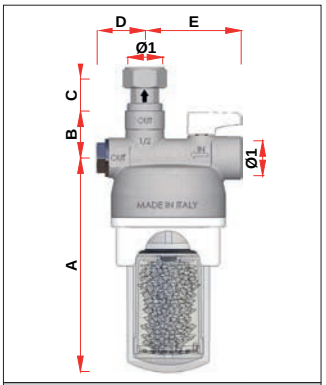
ART. 2278-2279

CODE	Ø1	A	B	C
2278 34	Ø18	112 (143*)	82	103
2279 34	Ø18	112 (143*)	82	103



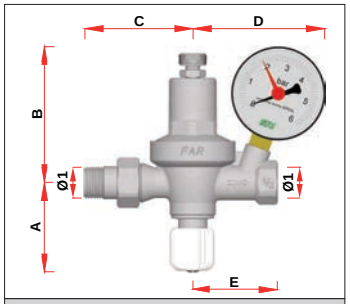
ART. 2400

CODE	Ø1	A	B	C	D	F	E
2400 3416	16	102	82	49	32	74	46
2400 3420	20	102	82	49	37	79	46



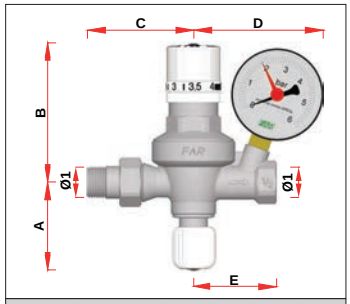
ART. 2410

CODE	Ø1	A	B	C	D	E
2410 12	1/2"	137	30	24	33	61



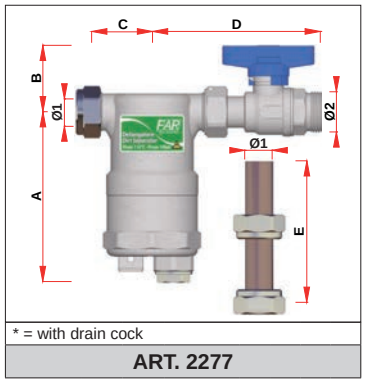
ART. 2100-2110

CODE	Ø1	A	B	C	D	E
2100	1/2"	60	92	72	--	56
2110	1/2"	60	92	72	88	56



ART. 2105-2106

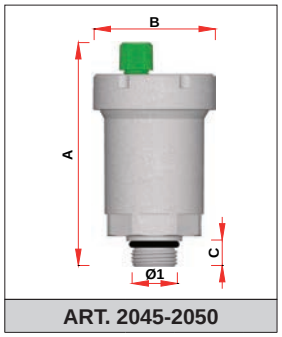
CODE	Ø1	A	B	C	D	E
2105	1/2"	60	94	72	--	56
2106	1/2"	60	94	72	88	56



* = with drain cock

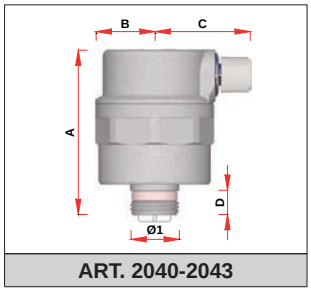
ART. 2277

CODE	Ø1	Ø2	A	B	C	D	E
2277 34	Ø18	3/4"	112 (143*)	44	41	103	103



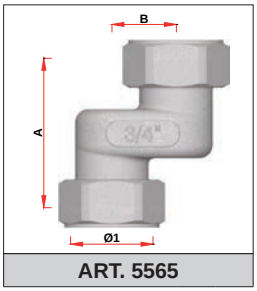
ART. 2045-2050

CODE	Ø1	A	B	C
2045-2050 38	3/8"	81	44	9
2045-2050 12	1/2"	82	44	10
2045-2050 34	3/4"	91	44	12



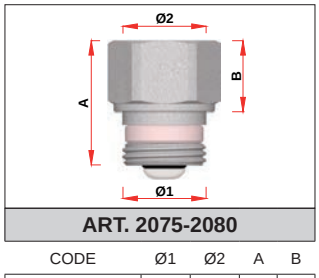
ART. 2040-2043

CODE	Ø1	A	B	C	D
2040-2043 38	3/8"	57	20	33	9
2040-2043 12	1/2"	57	20	33	9



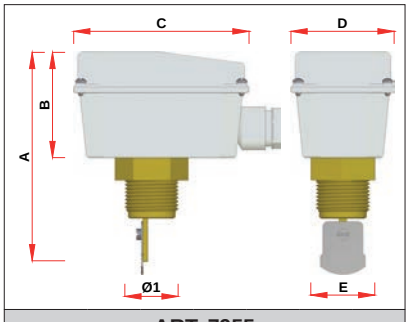
ART. 5565

CODE	Ø1	A	B
5565 234	3/4"	47	20



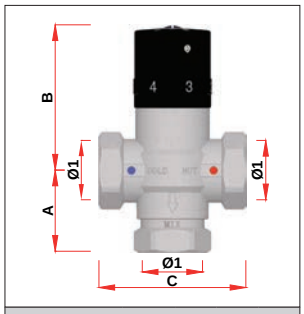
ART. 2075-2080

CODE	Ø1	Ø2	A	B
2075 3814	3/8"	1/4"	21	12
2075-2080 38	3/8"	3/8"	25	14
2075-2080 3812	1/2"	3/8"	25	14
2075-2080 12	1/2"	1/2"	25	14



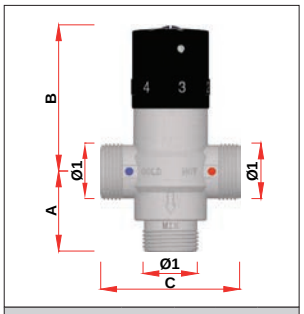
ART. 7955

CODE	Ø1	A	B	C	D	E
7955	1"	132	66	110	65	38



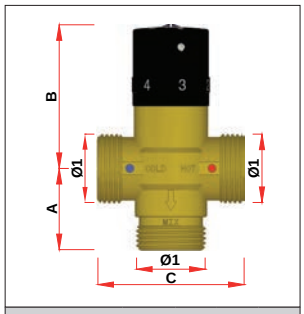
ART. 3950

CODE	Ø1	A	B	C
3950 12	1/2”	38	75	66
3950 34	3/4”	39	75	70
3950 1	1”	42	75	74



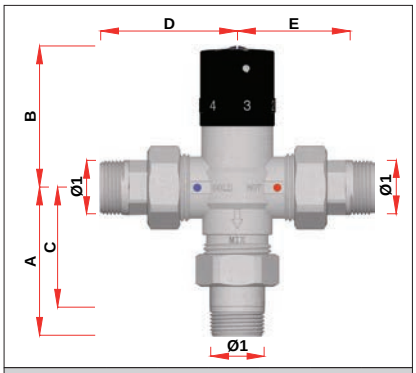
ART. 3957

CODE	Ø1	A	B	C
3957 34	3/4”	38	75	66
3957 1	1”	39	75	70



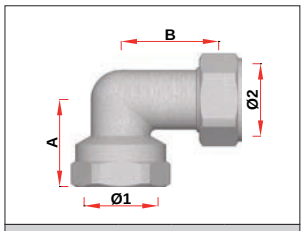
ART. 395G

CODE	Ø1	A	B	C
395G 1	1”	39	75	70



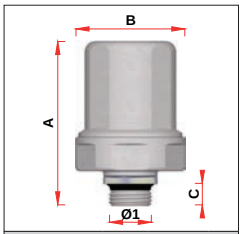
ART. 3956

CODE	Ø1	A	B	C	D	E
3956 12	1/2”	69	75	56	64	51
3956 12VR	1/2”	69	75	56	64	51
3956 34	3/4”	72	75	58	68	54
3956 34VR	3/4”	72	75	58	68	57
3956 1	1”	78	75	64	74	60
3956 1VR	1”	78	75	64	74	60
3956 114	1”1/4	112	68	94	96	78
3956 112	1”1/2	117	67	99	100	82



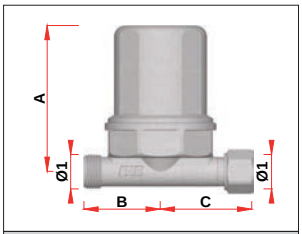
ART. 5304

CODE	Ø1	Ø2	A	B
5304 1212	1/2”	1/2”	28	28
5304 3434	3/4”	3/4”	31	37
5304 11	1”	1”	39	35



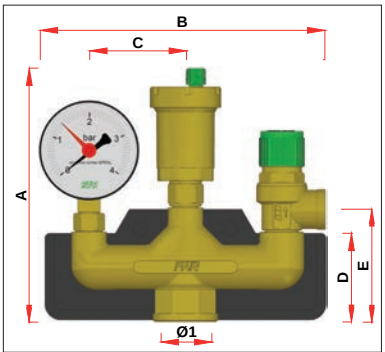
ART. 2895

CODE	Ø1	A	B	C
2895 12	1/2”	80	53	11
2895 34	3/4”	75	53	11
2895 1	1”	77	53	12



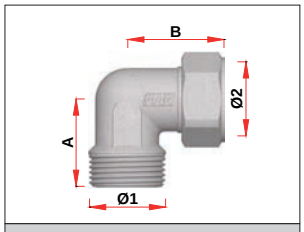
ART. 2896

CODE	Ø1	A	B	C
2896 38	3/8”	70	37	37
2896 34	3/4”	74	36	40



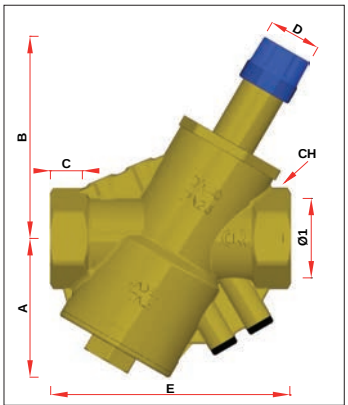
ART. 2116

CODE	Ø1	A	B	C	D	E
2116	1”	158	177	60	54	70



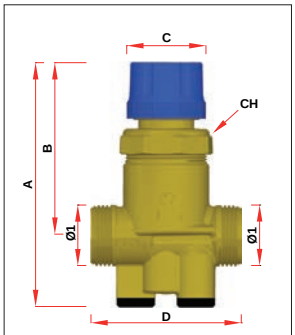
ART. 5254

CODE	Ø1	Ø2	A	B
5254 1212	1/2”	1/2”	28	28
5254 3434	3/4”	3/4”	31	28
5254 11	1”	1”	38	34



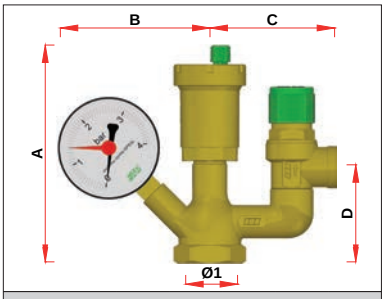
ART. 2137

CODE	Ø1	A	B	C	D	E	CH
2137 112	1”1/2	84	121	17	34	144	54
2137 2	2”	89	128	20	34	155	68



ART. 2136

CODE	Ø1	A	B	C	D	CH
2136 12	1/2”	106	75	34	53	39
2136 34	3/4”	106	75	34	65	39
2136 1	1”	129	83	34	82	39
2136 114	1”1/4	122	85	34	104	39



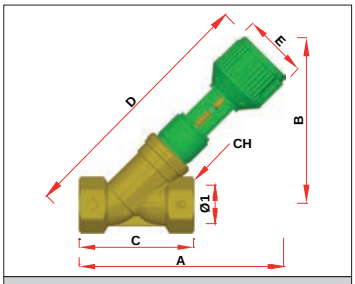
ART. 2112

CODE	Ø1	A	B	C	D
2112	1”	133	93	76	60



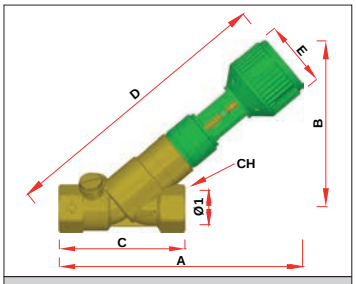
ART. 2055-2060

CODE	Ø1	A	B	C
2055-2060 38	3/8”	62	44	10
2055-2060 12	1/2”	62	44	12
2055-2060 34	3/4”	59	44	12



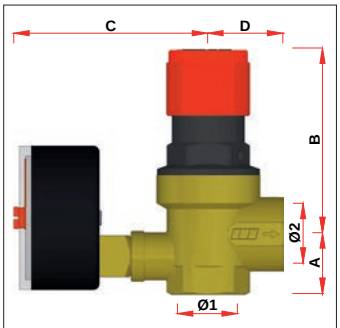
ART. 2130

CODE	Ø1	A	B	C	D	E	CH
2130 12	1/2”	138	104	68	161	51	28
2130 34	3/4”	157	121	77	187	51	33
2130 1	1”	161	133	91	200	51	40
2130 114	1”1/4	172	141	108	219	51	51
2130 112	1”1/2	213	181	116	275	57	56
2130 2	2”	232	190	143	300	57	71



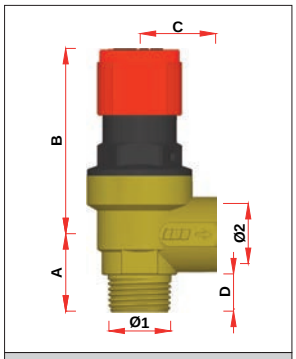
ART. 2129

CODE	Ø1	A	B	C	D	E	CH
2129 12	1/2”	163	111	85	184	51	28
2129 34	3/4”	187	128	97	15	51	33
2129 1	1”	188	138	113	223	51	40
2129 114	1”1/4	209	142	144	224	51	51
2129 112	1”1/2	260	181	163	308	57	56
2129 2	2”	282	191	193	337	57	71



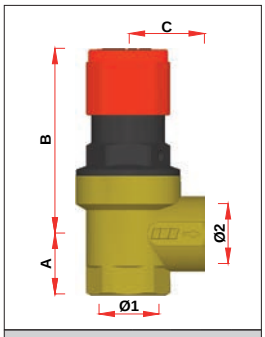
ART. 2010

CODE	Ø1	Ø2	A	B	C	D
2010 1212xx	1/2”	1/2”	21	62	66	26



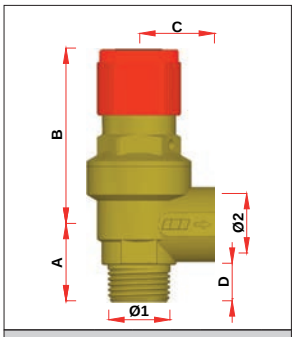
ART. 2002

CODE	Ø1	Ø2	A	B	C	D
2002 1212xx	1/2"	1/2"	26	62	26	13



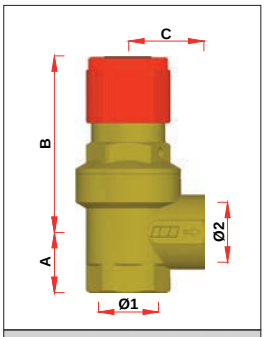
ART. 2003

CODE	Ø1	Ø2	A	B	C
2003 1212xx	1/2"	1/2"	21	62	26
2003 1234xx	1/2"	3/4"	25	62	31



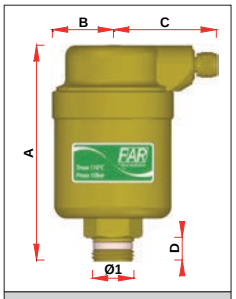
ART. 2004

CODE	Ø1	Ø2	A	B	C	D
2004 1212xx	1/2"	1/2"	26	59	26	13
2004 1234xx	1/2"	3/4"	33	59	31	13



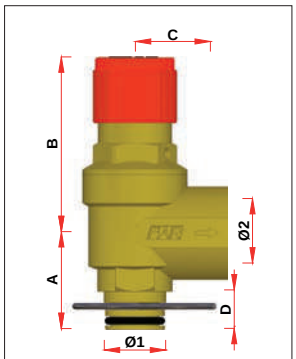
ART. 2005

CODE	Ø1	Ø2	A	B	C
2005 1212xx	1/2"	1/2"	21	59	26
2005 1234xx	1/2"	3/4"	25	59	31
2005 3434xx	3/4"	3/4"	25	59	29



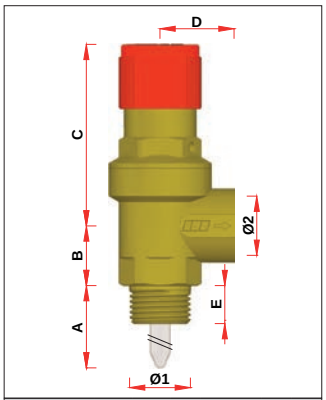
ART. 2066

CODE	Ø1	A	B	C	D
2066 12	1/2"	103	30	52	11



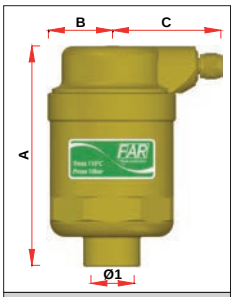
ART. 2007

CODE	Ø1	Ø2	A	B	C	D
2007 3430	20	3/4"	33	59	31	13



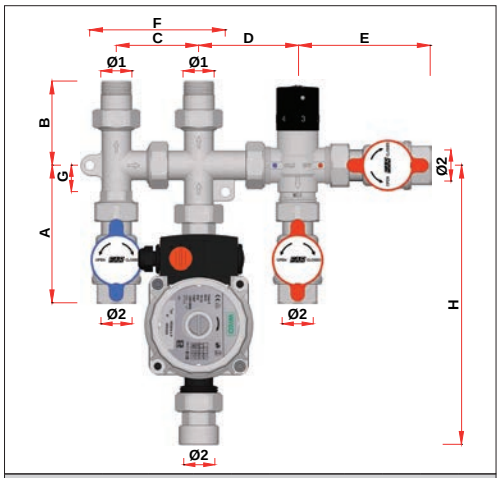
ART. 2008

CODE	Ø1	Ø2	A	B	C	D	E
2008 1212xx	1/2"	1/2"	121	21	62	26	13
2008 3434xx	3/4"	3/4"	116	25	62	29	15



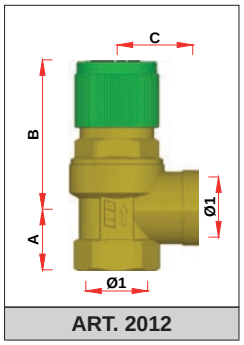
ART. 2065

CODE	Ø1	A	B	C
2065 12	1/2"	104	30	52



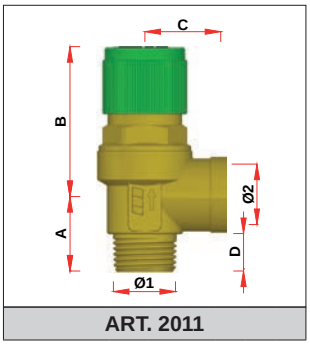
ART. 3967

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3967 34	3/4"	3/4"	118	72	71	85	114	116	23	240



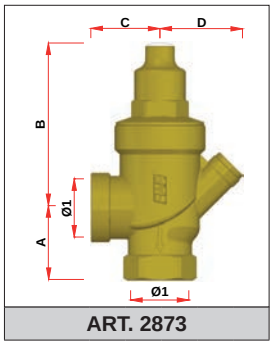
ART. 2012

CODE	Ø1	A	B	C
2012 1212xx	1/2"	21	49	27



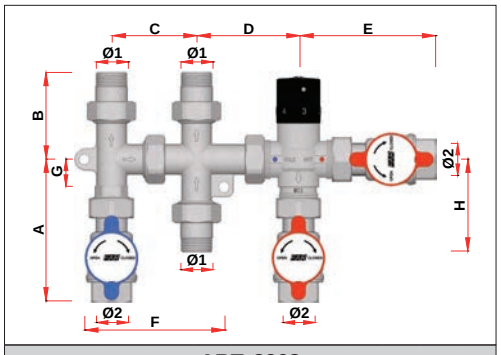
ART. 2011

CODE	Ø1	Ø2	A	B	C	D
2011 1212xx	1/2"	1/2"	26	49	27	12



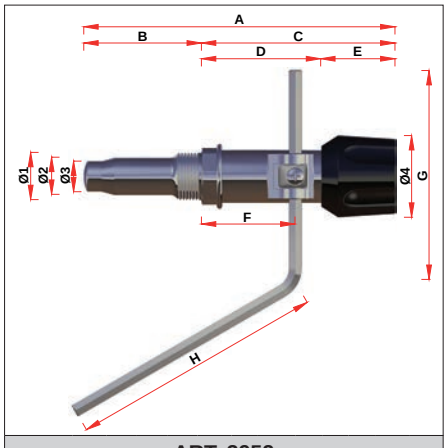
ART. 2873

CODE	Ø1	A	B	C	D
2873 34	3/4"	35	79	33	40



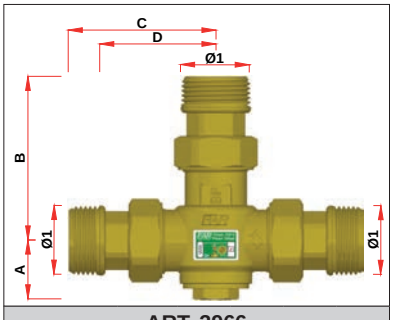
ART. 3968

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
3968 34	3/4"	3/4"	118	72	71	85	114	116	23	76



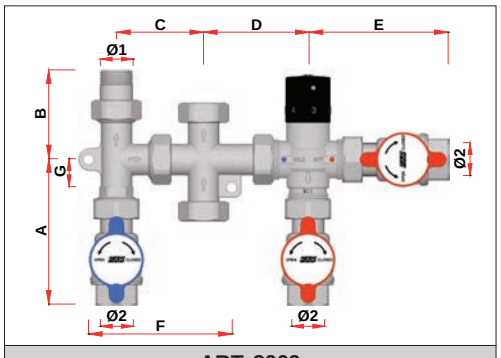
ART. 3952

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E	F	G	H
3952	3/4"	21	17	46	176	64	111	70	41	53	120	145



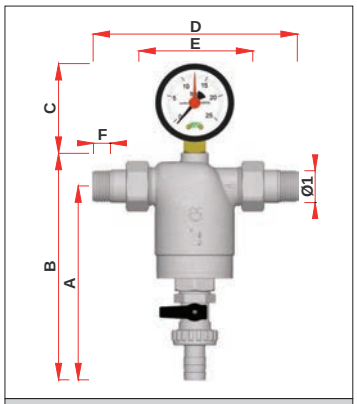
ART. 3966

CODE	Ø1	A	B	C	D
3966 01xx	3/4"	29	75	66	54
3966 02xx	1"	29	80	72	57
3966 03xx	1"	35	96	86	69
3966 04xx	1"1/4	35	105	94	80



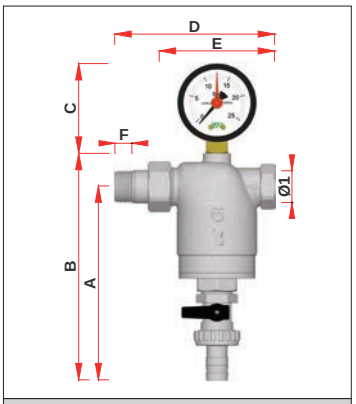
ART. 3969

CODE	Ø1	Ø2	A	B	C	D	E	F	G
3969 34	3/4"	3/4"	118	72	71	85	114	116	23



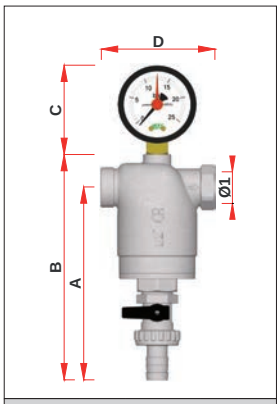
ART. 3943-3944

CODE	Ø1	A	B	C	D	E	F
3943 12	1/2"	127	149	--	134	73	13
3943 34	3/4"	137	161	--	150	83	14
3943 1	1"	157	183	--	171	93	16
3944 12	1/2"	127	149	59	134	73	13
3944 34	3/4"	137	161	59	150	83	14
3944 1	1"	157	183	59	171	93	16



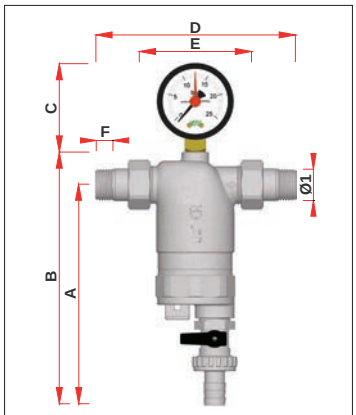
ART. 3945-3946

CODE	Ø1	A	B	C	D	E	F
3945 12	1/2"	127	149	--	105	74	13
3945 34	3/4"	137	161	--	116	83	14
3945 1	1"	157	183	--	132	93	16
3946 12	1/2"	127	149	59	105	74	13
3946 34	3/4"	137	161	59	116	83	14
3946 1	1"	157	183	59	132	93	16



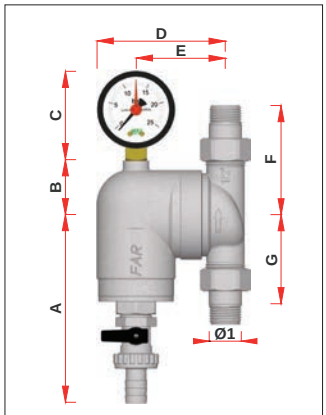
ART. 3947-3948

CODE	Ø1	A	B	C	D
3947 12	1/2"	127	149	--	75
3947 34	3/4"	137	161	--	83
3947 1	1"	157	183	--	93
3948 12	1/2"	128	149	59	75
3948 34	3/4"	137	161	59	83
3948 1	1"	157	183	59	93



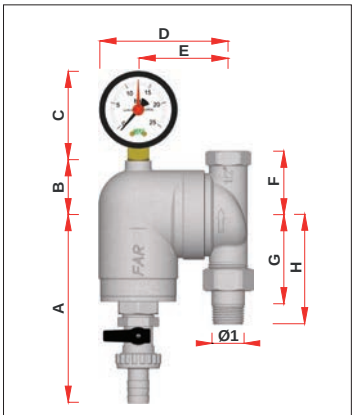
ART. 39F3-39F4

CODE	Ø1	A	B	C	D	E	F
39F3 12	1/2"	148	170	--	134	73	13
39F3 34	3/4"	157	181	--	150	83	14
39F3 1	1"	177	203	--	171	93	16
39F4 12	1/2"	148	170	59	134	73	13
39F4 34	3/4"	157	181	59	150	83	14
39F4 1	1"	177	203	59	171	93	16



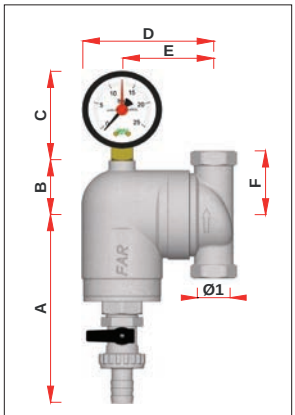
ART. 39A3-39A4

CODE	Ø1	A	B	C	D	E	F	G
39A3 12	1/2"	125	39	--	85	59	72	59
39A3 34	3/4"	125	39	--	88	62	76	62
39A3 1	1"	144	42	--	99	71	84	68
39A4 12	1/2"	125	39	59	85	59	72	59
39A4 34	3/4"	125	39	59	88	62	76	62
39A4 1	1"	144	42	59	99	71	84	68



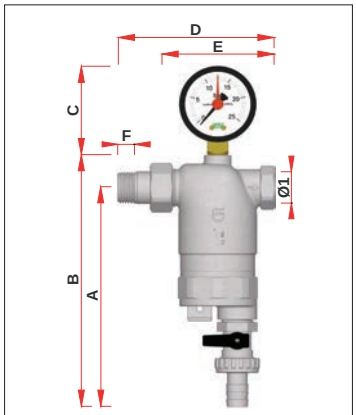
ART. 39A5-39A6

CODE	Ø1	A	B	C	D	E	F	G	H
39A5 12	1/2"	125	39	--	85	59	42	59	72
39A5 34	3/4"	125	39	--	88	62	43	62	76
39A5 1	1"	144	42	--	99	71	45	68	84
39A6 12	1/2"	125	39	59	85	59	42	59	72
39A6 34	3/4"	125	39	59	88	62	43	62	76
39A6 1	1"	144	42	59	99	71	45	68	84



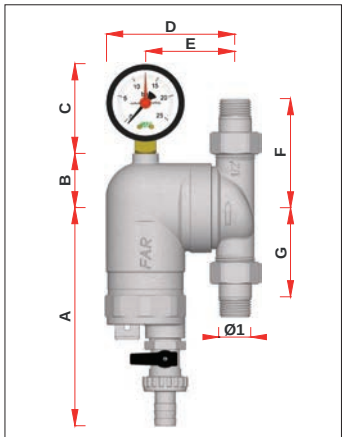
ART. 39A7-39A8

CODE	Ø1	A	B	C	D	E	F
39A7 12	1/2"	125	39	--	85	59	42
39A7 34	3/4"	125	39	--	88	62	43
39A7 1	1"	144	42	--	99	71	45
39A8 12	1/2"	125	39	59	85	59	42
39A8 34	3/4"	125	39	59	88	62	43
39A8 1	1"	144	42	59	99	71	45



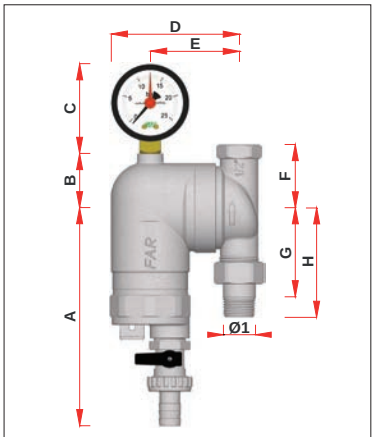
ART. 39F5-39F6

CODE	Ø1	A	B	C	D	E	F
39F5 12	1/2"	148	170	--	105	74	13
39F5 34	3/4"	157	181	--	116	83	14
39F5 1	1"	177	203	--	132	93	16
39F6 12	1/2"	148	170	59	105	74	13
39F6 34	3/4"	157	181	59	116	83	14
39F6 1	1"	177	203	59	132	93	16



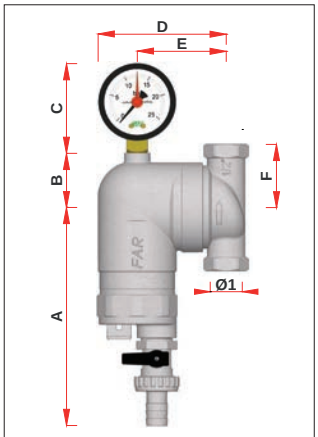
ART. 39M3-39M4

CODE	Ø1	A	B	C	D	E	F	G
39M3 12	1/2"	145	39	--	85	59	72	59
39M3 34	3/4"	145	39	--	88	62	76	62
39M3 1	1"	164	42	--	99	71	84	68
39M4 12	1/2"	145	39	59	85	59	72	59
39M4 34	3/4"	145	39	59	88	62	76	62
39M4 1	1"	164	42	59	99	71	84	68



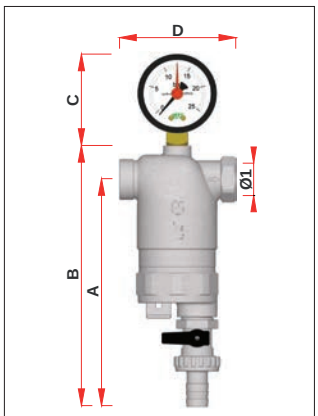
ART. 39M5-39M6

CODE	Ø1	A	B	C	D	E	F	G	H
39M5 12	1/2"	145	39	--	85	59	42	59	72
39M5 34	3/4"	145	39	--	88	62	43	62	76
39M5 1	1"	164	42	--	99	71	45	68	84
39M6 12	1/2"	145	39	59	85	59	42	59	72
39M6 34	3/4"	145	39	59	88	62	43	62	76
39M6 1	1"	164	42	59	99	71	45	68	84



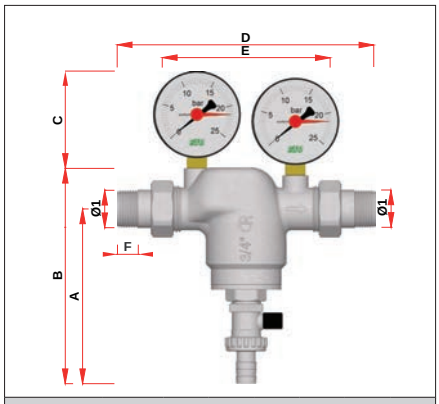
ART. 39M7-39M8

CODE	Ø1	A	B	C	D	E	F
39M7 12	1/2"	145	39	--	85	59	42
39M7 34	3/4"	145	39	--	88	62	43
39M7 1	1"	164	42	--	99	71	45
39M8 12	1/2"	145	39	59	85	59	42
39M8 34	3/4"	145	39	59	88	62	43
39M8 1	1"	164	42	59	99	71	45



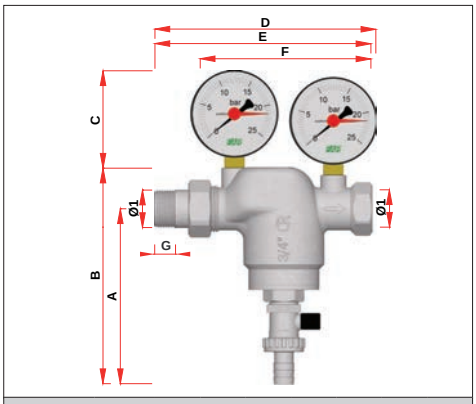
ART. 39F7-39F8

CODE	Ø1	A	B	C	D
39F7 12	1/2"	148	170	--	75
39F7 34	3/4"	157	181	--	83
39F7 1	1"	177	203	--	93
39F8 12	1/2"	148	170	59	75
39F8 34	3/4"	157	181	59	83
39F8 1	1"	177	203	59	93



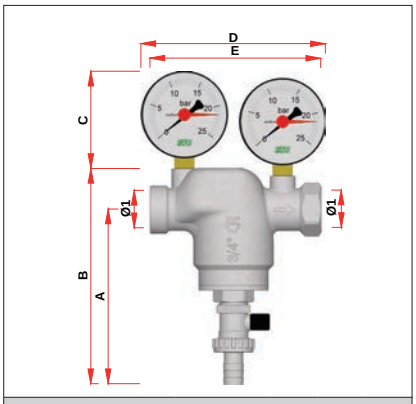
ART. 3930-3931-3932-3933

CODE	Ø1	A	B	C	D	E	F
3930 34	3/4”	125	154	--	184	117	14
3930 1	1”	142	176	--	198	120	16
3930 114	1”1/4	148	186	--	207	123	18
3930 112	1”1/2	156	194	--	221	131	18
3930 2	2”	163	207	--	249	148	20
3931 34	3/4”	125	154	70	184	117	14
3931 1	1”	142	176	70	198	120	16
3931 114	1”1/4	148	186	70	207	123	18
3931 112	1”1/2	156	194	70	221	131	18
3931 2	2”	163	207	70	249	148	20
3932 34	3/4”	125	154	--	184	117	14
3932 1	1”	142	176	--	198	120	16
3932 114	1”1/4	148	186	--	207	123	18
3932 112	1”1/2	156	194	--	221	131	18
3932 2	2”	163	207	--	249	148	20
3933 34	3/4”	125	154	70	184	117	14
3933 1	1”	142	176	70	198	120	16
3933 114	1”1/4	148	186	70	207	123	18
3933 112	1”1/2	156	194	70	221	131	18
3933 2	2”	163	207	70	249	148	20



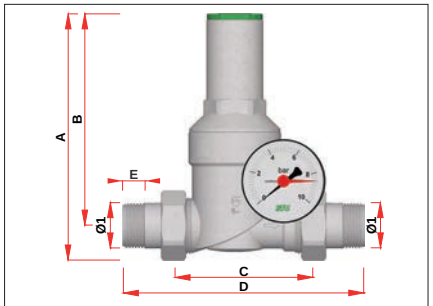
ART. 3934-3935-3936-3937

CODE	Ø1	A	B	C	D	E	F	G
3934 34	3/4”	125	154	--	--	154	121	14
3934 1	1”	142	176	--	--	160	121	16
3934 114	1”1/4	148	186	--	--	168	126	18
3934 112	1”1/2	156	194	--	--	176	131	18
3934 2	2”	163	207	--	--	191	148	20
3935 34	3/4”	125	154	70	158	154	121	14
3935 1	1”	142	176	70	165	160	121	16
3935 114	1”1/4	148	186	70	170	168	126	18
3935 112	1”1/2	156	194	70	171	176	131	18
3935 2	2”	163	207	70	199	191	148	20
3936 34	3/4”	125	154	--	--	154	121	14
3936 1	1”	142	176	--	--	160	121	16
3936 114	1”1/4	148	186	--	--	168	126	18
3936 112	1”1/2	156	194	--	--	176	131	18
3936 2	2”	163	207	--	--	191	148	20
3937 34	3/4”	125	154	70	158	154	121	14
3937 1	1”	142	176	70	165	160	121	16
3937 114	1”1/4	148	186	70	170	168	126	18
3937 112	1”1/2	156	194	70	171	176	131	18
3937 2	2”	163	207	70	199	191	148	20



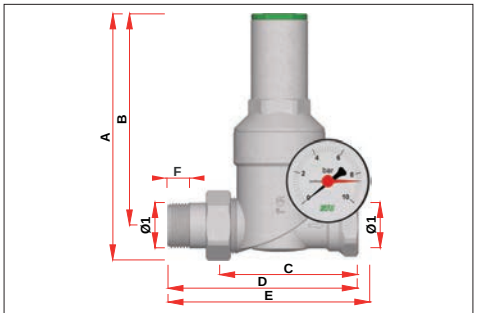
ART. 3938-3939-3940-3941

CODE	Ø1	A	B	C	D	E
3938 34	3/4”	125	154	--	--	122
3938 1	1”	142	176	--	--	122
3938 114	1”1/4	148	186	--	--	126
3938 112	1”1/2	156	194	--	--	137
3938 2	2”	163	207	--	--	148
3939 34	3/4”	125	154	70	132	122
3939 1	1”	142	176	70	132	122
3939 114	1”1/4	148	186	70	132	126
3939 112	1”1/2	156	194	70	131	137
3939 2	2”	163	207	70	132	148
3940 34	3/4”	125	154	--	--	122
3940 1	1”	142	176	--	--	122
3940 114	1”1/4	148	186	--	--	126
3940 112	1”1/2	156	194	--	--	137
3940 2	2”	163	207	--	--	148
3941 34	3/4”	125	154	70	132	122
3941 1	1”	142	176	70	132	122
3941 114	1”1/4	148	186	70	132	126
3941 112	1”1/2	156	194	70	131	137
3941 2	2”	163	207	70	132	148



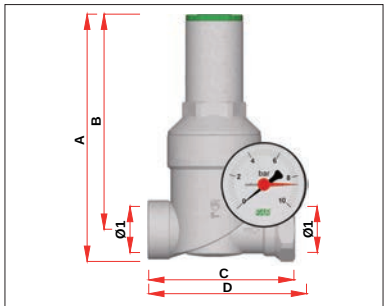
ART. 2800-2805-2810-2815

CODE	Ø1	A	B	C	D	E
2800-2810 12	1/2”	138	121	86	146	13
2800-2810 34	3/4”	142	121	91	156	14
2800-2810 1	1”	183	157	102	180	16
2800-2810 114	1”1/4	192	161	110	192	18
2800-2810 112	1”1/2	199	162	120	210	18
2800-2810 2	2”	202	162	130	230	20
2805-2815 12	1/2”	138	121	86	146	13
2805-2815 34	3/4”	142	121	91	156	14
2805-2815 1	1”	183	157	102	180	16
2805-2815 114	1”1/4	192	161	110	192	18
2805-2815 112	1”1/2	199	162	120	210	18
2805-2815 2	2”	202	162	130	230	20



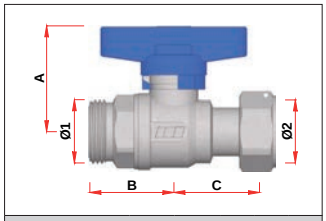
ART. 2820-2825-2830-2835

CODE	Ø1	A	B	C	D	E	F
2820-2830 12	1/2”	138	121	87	117	--	13
2820-2830 34	3/4”	142	121	95	126	--	14
2820-2830 1	1”	183	157	103	142	--	16
2825-2835 12	1/2”	138	121	87	117	128	13
2825-2835 34	3/4”	142	121	95	126	132	14
2825-2835 1	1”	183	157	103	142	150	16



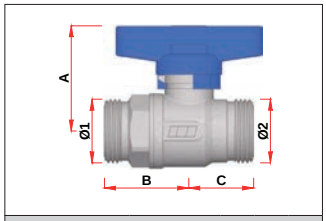
ART. 2840-2845-2850-2855

CODE	Ø1	A	B	C	D
2840-2850 12	1/2”	137	121	97	--
2840-2850 34	3/4”	140	121	97	--
2840-2850 1	1”	180	157	104	--
2845-2855 12	1/2”	137	121	97	98
2845-2855 34	3/4”	140	121	97	103
2845-2855 1	1”	180	157	104	112



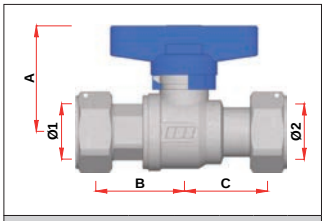
ART. 3034-3034C

CODE	Ø1	Ø2	A	B	C
3034-3034C 34	3/4”	3/4”	44	36	36



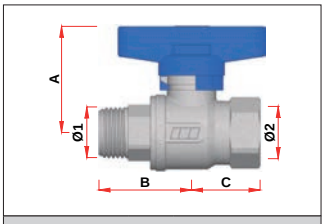
ART. 3067-3067C

CODE	Ø1	Ø2	A	B	C
3067-3067C 34	3/4”	3/4”	44	36	28



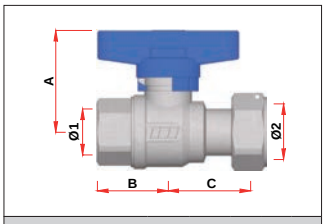
ART. 3037-3037C

CODE	Ø1	Ø2	A	B	C
3037-3037C 12	3/4”	3/4”	44	38	36



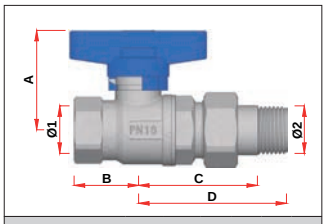
ART. 3097-3097C

CODE	Ø1	Ø2	A	B	C
3097-3097C 12	1/2”	1/2”	44	38	28
3097-3097C 34	3/4”	3/4”	44	36	30
3097-3097C 1	1”	1”	57	31	39



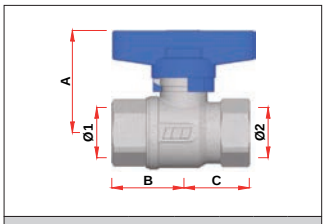
ART. 3047-3047C

CODE	Ø1	Ø2	A	B	C
3047-3047C 12	1/2"	3/4"	44	30	36
3047-3047C 3434	3/4"	3/4"	44	31	36
3047-3047C 134	3/4"	1"	57	37	43



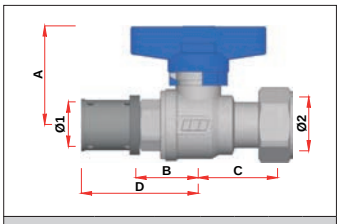
ART. 3079-3079C

CODE	Ø1	Ø2	A	B	C	D
3079-3079C 12	1/2"	1/2"	44	28	52	65
3079-3079C 34	3/4"	3/4"	44	30	57	71
3079-3079C 1	1"	1"	57	38	54	69



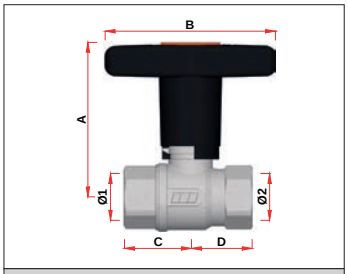
ART. 3036-3036C

CODE	Ø1	Ø2	A	B	C
3036-3036C 12	1/2"	1/2"	44	30	28
3036-3036C 34	3/4"	3/4"	44	31	30



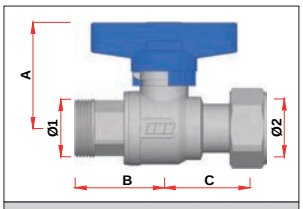
ART. 5952-5953

CODE	Ø1	Ø2	A	B	C	D
59522001	20x2	3/4"	44	28	36	52
59522002	20x2	3/4"	44	28	36	52
59532001	20x2	3/4"	44	28	36	52
59532002	20x2	3/4"	44	28	36	52



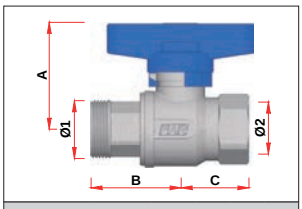
ART. 3036M-3036MC

CODE	Ø1	Ø2	A	B	C	D
3036M-3036MC 12	1/2"	1/2"	70	78	30	28
3036M-3036MC 34	3/4"	3/4"	70	78	31	30



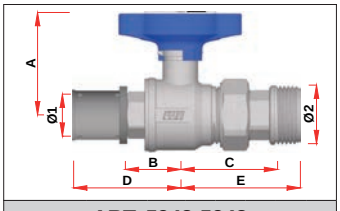
ART. 3035C

CODE	Ø1	Ø2	A	B	C
3035C 34	24x19	3/4"	44	37	36



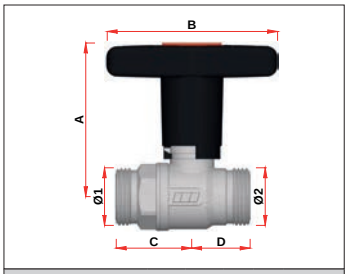
ART. 3038C

CODE	Ø1	Ø2	A	B	C
3038C 12	24x19	1/2"	44	37	28



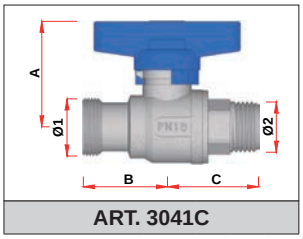
ART. 5942-5943

CODE	Ø1	Ø2	A	B	C	D	E
59422003	20x2	1"	59	31	55	56	69
59422004	20x2	1"	59	31	55	56	69
59422601	26x3	3/4"	59	32	50	61	64
59422602	26x3	3/4"	59	32	50	61	64
59422603	26x3	1"	59	32	55	61	69
59422604	26x3	1"	59	32	55	61	69
59423201	32x3	3/4"	59	33	50	62	64
59423202	32x3	3/4"	59	33	50	62	64
59423203	32x3	1"	59	33	55	62	69
59423204	32x3	1"	59	33	55	62	69
59432003	20x2	1"	59	31	55	56	69
59432004	20x2	1"	59	31	55	56	69
59432601	26x3	3/4"	59	32	50	61	64
59432602	26x3	3/4"	59	32	50	61	64
59432603	26x3	1"	59	32	55	61	69
59432604	26x3	1"	59	32	55	61	69
59433201	32x3	3/4"	59	33	50	62	64
59433202	32x3	3/4"	59	33	50	62	64
59433203	32x3	1"	59	33	55	62	69
59433204	32x3	1"	59	33	55	62	69



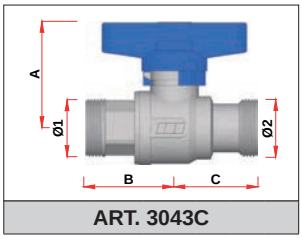
ART. 3067M-3067MC

CODE	Ø1	Ø2	A	B	C	D
3067M-3067MC 34	3/4"	3/4"	70	78	36	28



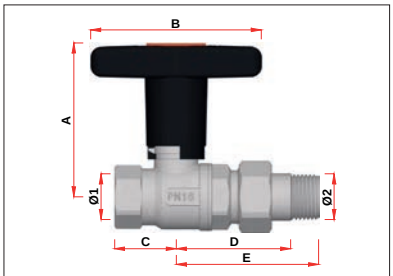
ART. 3041C

CODE	Ø1	Ø2	A	B	C
3041C 34	24x19	1/2"	44	35	38



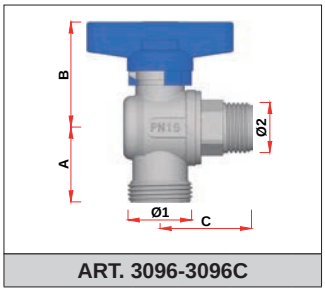
ART. 3043C

CODE	Ø1	Ø2	A	B	C
3043C 34	24x19	24x19	44	37	35



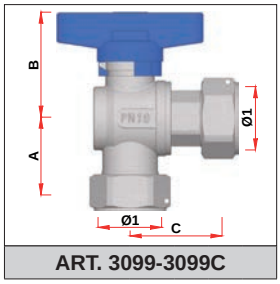
ART. 3079M-3079MC

CODE	Ø1	Ø2	A	B	C	D	E
3079M-3079MC 12	1/2"	1/2"	70	78	28	52	65
3079M-3079MC 34	3/4"	3/4"	70	78	30	57	71
3079M-3079MC 1	1"	1"	83	78	38	54	69



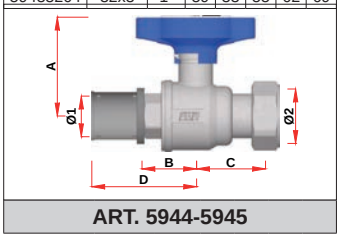
ART. 3096-3096C

CODE	Ø1	Ø2	A	B	C
3096-3096C 3412	3/4"	1/2"	31	44	38



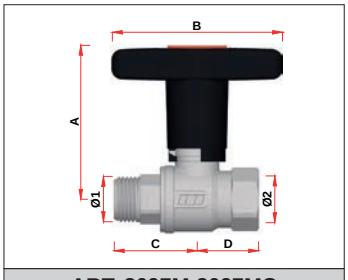
ART. 3099-3099C

CODE	Ø1	A	B	C
3099-3099C 34	3/4"	33	44	39



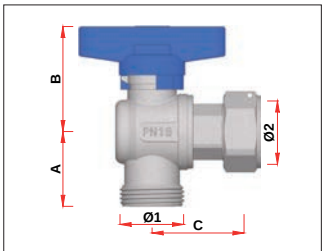
ART. 5944-5945

CODE	Ø1	Ø2	A	B	C	D
59442001	20x2	1"	59	31	43	56
59442002	20x2	1"	59	31	43	56
59442003	20x2	3/4"	59	31	43	56
59442004	20x2	3/4"	59	31	43	56
59442601	26x3	1"	59	32	43	61
59442602	26x3	1"	59	32	43	61
59442603	26x3	3/4"	59	32	43	61
59442604	26x3	3/4"	59	32	43	61
59443201	32x3	1"	59	33	43	62
59443202	32x3	1"	59	33	43	62
59444001	40x3,5	1"	59	34	43	73
59444002	40x3,5	1"	59	34	43	73
59452001	20x2	1"	59	31	43	56
59452002	20x2	1"	59	31	43	56
59452003	20x2	3/4"	59	31	43	56
59452004	20x2	3/4"	59	31	43	56
59452601	26x3	1"	59	32	43	61
59452602	26x3	1"	59	32	43	61
59452603	26x3	3/4"	59	32	43	61
59452604	26x3	3/4"	59	32	43	61
59453201	32x3	1"	59	33	43	62
59453202	32x3	1"	59	33	43	62
59454001	40x3,5	1"	59	34	43	73
59454002	40x3,5	1"	59	34	43	73



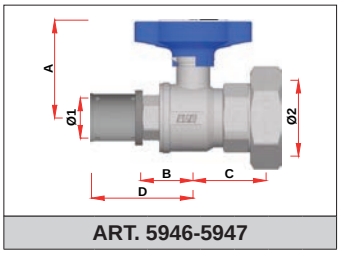
ART. 3097M-3097MC

CODE	Ø1	Ø2	A	B	C	D
3097M-3097MC 12	1/2"	1/2"	70	78	38	28
3097M-3097MC 34	3/4"	3/4"	70	78	36	30



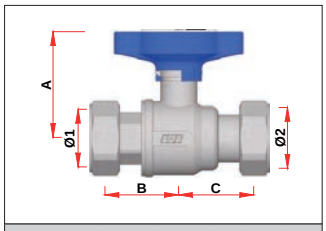
ART. 3098-3098C

CODE	Ø1	Ø2	A	B	C
3098-3098C 34	3/4"	3/4"	31	44	39



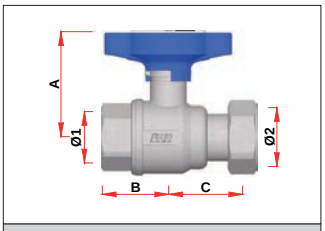
ART. 5946-5947

CODE	Ø1	Ø2	A	B	C	D
59462601	26x3	1"1/2	59	32	44	61
59462602	26x3	1"1/2	59	32	44	61
59463201	32x3	1"1/2	59	33	44	62
59463202	32x3	1"1/2	59	33	44	62
59472601	26x3	1"1/2	59	32	44	61
59472602	26x3	1"1/2	59	32	44	61
59473201	32x3	1"1/2	59	33	44	62
59473202	32x3	1"1/2	59	33	44	62



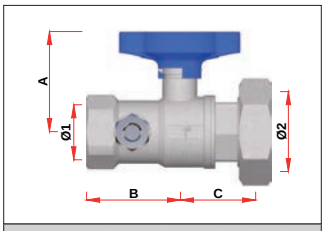
ART. 3055-3056

CODE	Ø1	Ø2	A	B	C
3055 34	3/4”	3/4”	59	41	42
3055 134	1”	3/4”	59	42	42
3055 1	1”	1”	59	42	43
3055 1121	1”	1”1/2	59	42	44
3056 34	3/4”	3/4”	59	41	42
3056 134	1”	3/4”	59	42	42
3056 1	1”	1”	59	42	43



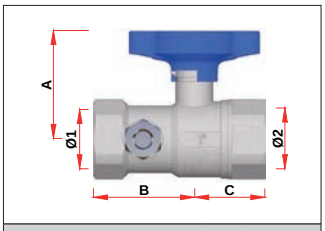
ART. 3053-3054

CODE	Ø1	Ø2	A	B	C
3053 134	3/4”	1”	59	37	43
3053 1	1”	1”	59	38	43
3054 134	3/4”	1”	59	37	43
3054 1	1”	1”	59	38	43



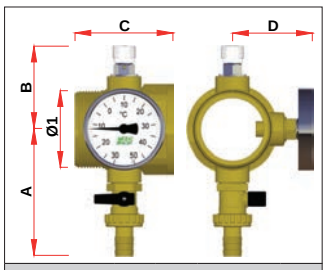
ART. 3045-3046

CODE	Ø1	Ø2	A	B	C
3045 1	1”	1”1/2	59	54	44
3045 114	1”1/4	2”	63	60	50
3046 1	1”	1”1/2	59	54	44
3046 114	1”1/4	2”	63	60	50



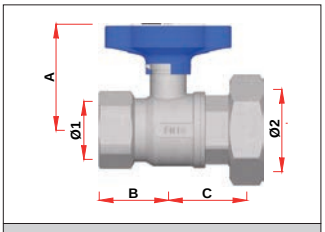
ART. 3048

CODE	Ø1	Ø2	A	B	C
3048 1	1”	1”	59	54	38



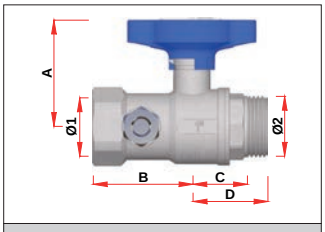
ART. 3451

CODE	Ø1	A	B	C	D
3451 MG2	2”	99	63	76	62



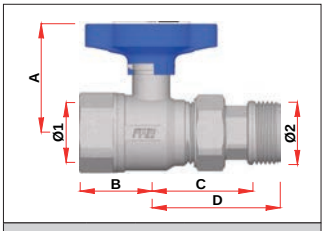
ART. 3059-3060

CODE	Ø1	Ø2	A	B	C
3059 1	1”	1”1/2	59	38	44
3060 1	1”	1”1/2	59	38	44



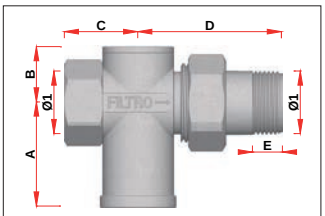
ART. 3049

CODE	Ø1	Ø2	A	B	C	D
3049 1	1”	1”	59	54	31	41



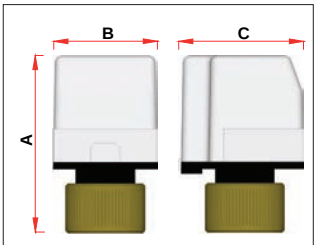
ART. 3051-3052

CODE	Ø1	Ø2	A	B	C	D
3051 34	3/4”	3/4”	59	37	50	64
3051 134	3/4”	1”	59	37	55	69
3051 1	1”	1”	59	38	55	69
3052 34	3/4”	3/4”	59	37	50	64
3052 134	3/4”	1”	59	37	55	69
3052 1	1”	1”	59	38	55	69



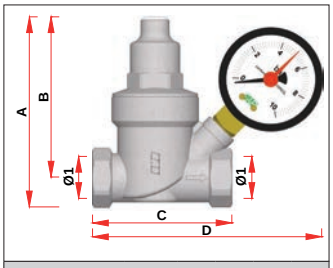
ART. 3925

CODE	Ø1	A	B	C	D	E
3925 34	3/4”	44	24	31	60	14



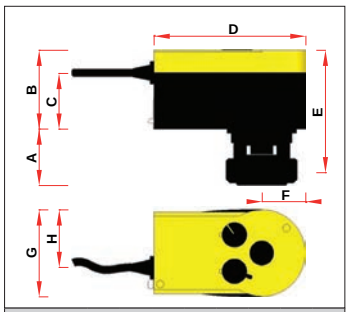
ART. 2138

CODE	A	B	C
2138 180	75	44	52



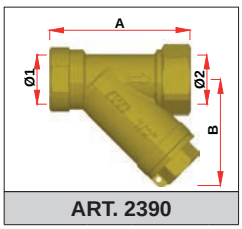
ART. 2868-2869-2870-2871

CODE	Ø1	A	B	C	D
2868-2870 12	1/2”	91	77	68	--
2868-2870 34	3/4”	93	77	71	--
2869-2871 12	1/2”	91	77	68	113
2869-2871 34	3/4”	93	77	71	115



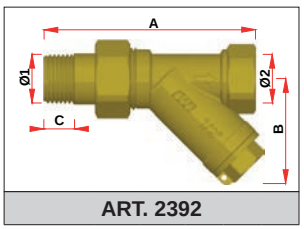
ART. 2139

CODE	A	B	C	D	E	F	G	H
2139 120	46	63	44	122	107	35	47	70



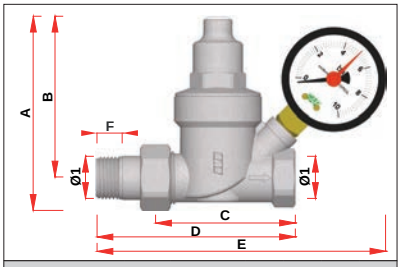
ART. 2390

CODE	Ø1	Ø2	A	B
2390 12	1/2”	1/2”	59	44
2390 34	3/4”	3/4”	70	52
2390 1	1”	1”	80	54
2390 114	1”1/4	1”1/4	99	73



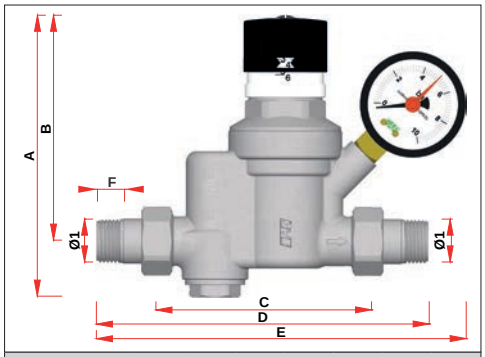
ART. 2392

CODE	Ø1	Ø2	A	B	C
2392 12	1/2”	1/2”	89	44	13
2392 34	3/4”	3/4”	103	52	14



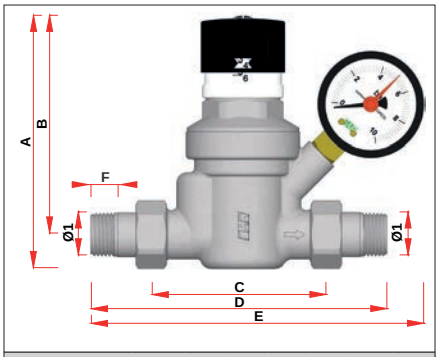
ART. 2864-2865-2866-2867

CODE	Ø1	A	B	C	D	E	F
2864-2866 12	1/2”	93	77	67	98	--	13
2864-2866 34	3/4”	96	77	72	102	--	14
2865-2867 12	1/2”	93	77	67	98	143	13
2865-2867 34	3/4”	96	77	72	102	146	14



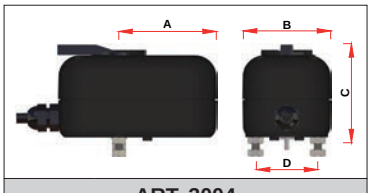
ART. 2880-2881-2882-2883

CODE	Ø1	A	B	C	D	E	F
2880-2882 12	1/2”	137	110	100	161	--	13
2880-2882 34	3/4”	137	110	100	172	--	14
2881-2883 12	1/2”	137	110	100	161	179	13
2881-2883 34	3/4”	137	110	100	172	185	14



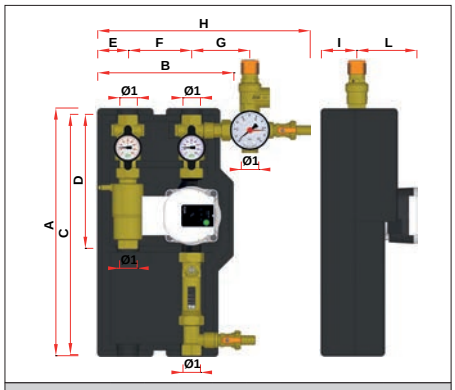
ART. 2876-2877-2878-2879

CODE	Ø1	A	B	C	D	E	F
2876-2878 12	1/2”	122	106	82	143	--	13
2876-2878 34	3/4”	122	106	82	154	--	14
2877-2879 12	1/2”	122	106	82	143	161	13
2877-2879 34	3/4”	122	106	82	154	167	14



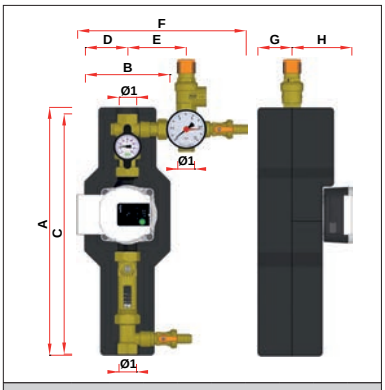
ART. 3004

CODE	A	B	C	D
3004	74	66	75	47



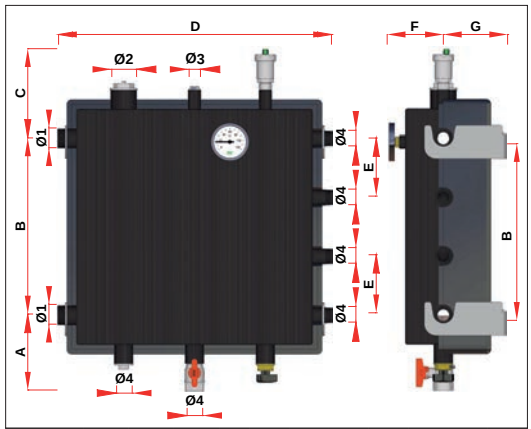
ART. 218M

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
218M	3/4"	391	214	380	212	48	100	92	336	54	95



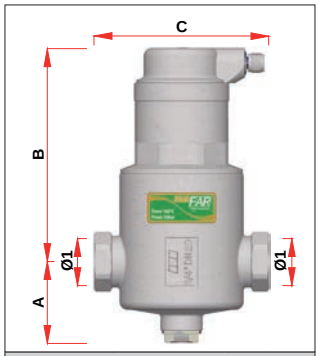
ART. 218R

CODE	Ø1	A	B	C	D	E	F	G	H
218R	3/4"	391	132	380	66	92	267	54	95



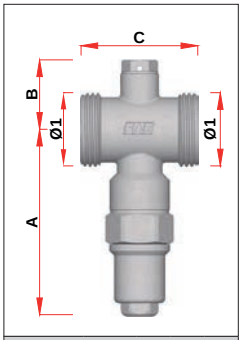
ART. 2157

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E	F	G
2157 40	1"1/4	1"1/2	1/2"	1"	154	375	204	590	125	111	130
2157 80	1"1/4	1"1/2	1/2"	1"	154	875	204	590	125	111	130



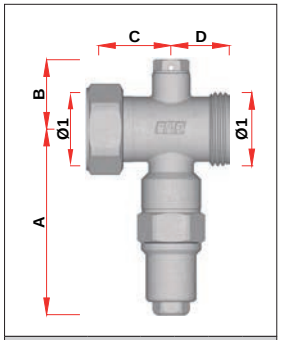
ART. 2252

CODE	Ø1	A	B	C
2252 34	3/4"	51	134	109
2252 1	1"	51	134	109
2252 114	1"1/4	56	149	119
2252 112	1"1/2	56	149	119
2252 2	2"	61	145	126



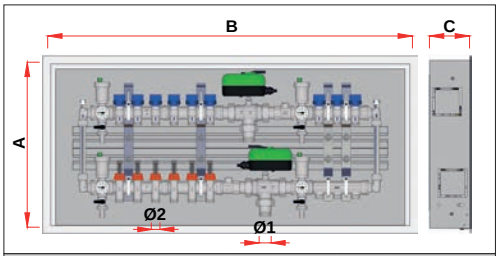
ART. 2900

CODE	Ø1	A	B	C
2900 1	1"	84	32	53
2900 114	1"1/4	91	37	59
2900 112	1"1/2	92	38	61



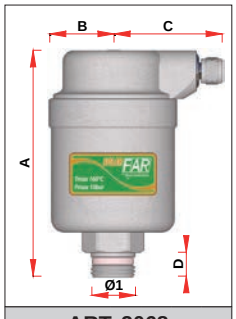
ART. 2901

CODE	Ø1	A	B	C	D
2901 1	1"	84	32	32	26
2901 114	1"1/4	90	37	35	29



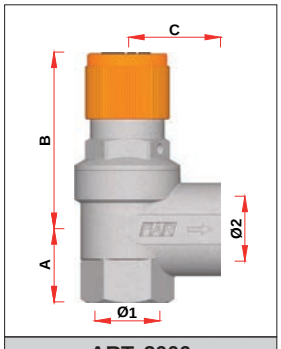
ART. 3572

CODE	UNDERF.	FANCOIL	Ø1	Ø2	A	B	C
3572 10502	5	2	1"	24x19	450	800	110
3572 10602	6	2	1"	24x19	450	800	110
3572 10702	7	2	1"	24x19	450	1000	110
3572 10802	8	2	1"	24x19	450	1000	110
3572 10902	9	2	1"	24x19	450	1000	110
3572 11002	10	2	1"	24x19	450	1000	110
3572 11102	11	2	1"	24x19	450	1200	110
3572 10503	5	3	1"	24x19	450	800	110
3572 10603	6	3	1"	24x19	450	1000	110
3572 10703	7	3	1"	24x19	450	1000	110
3572 10803	8	3	1"	24x19	450	1000	110
3572 10903	9	3	1"	24x19	450	1000	110
3572 11003	10	3	1"	24x19	450	1200	110
3572 11103	11	3	1"	24x19	450	1200	110
3572 10604	6	4	1"	24x19	450	1000	110
3572 10704	7	4	1"	24x19	450	1000	110
3572 10804	8	4	1"	24x19	450	1000	110
3572 10904	9	4	1"	24x19	450	1200	110
3572 11004	10	4	1"	24x19	450	1200	110
3572 11104	11	4	1"	24x19	450	1200	110
3572 10805	8	5	1"	24x19	450	1200	110
3572 10905	9	5	1"	24x19	450	1200	110
3572 11005	10	5	1"	24x19	450	1200	110
3572 11105	11	5	1"	24x19	450	1200	110



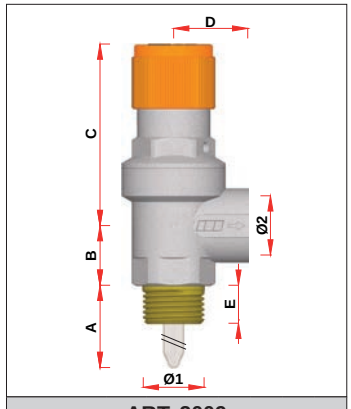
ART. 2068

CODE	Ø1	A	B	C	D
2068 12	1/2"	103	30	52	11



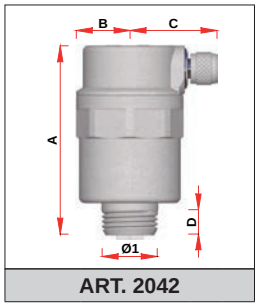
ART. 2006

CODE	Ø1	Ø2	A	B	C
2006 1234xx	1/2"	3/4"	25	59	31



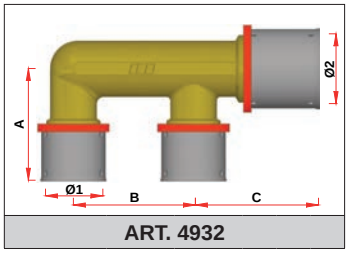
ART. 2009

CODE	Ø1	Ø2	A	B	C	D	E
2009 1212xx	1/2"	1/2"	121	21	62	26	13
2009 3434xx	3/4"	3/4"	116	25	62	29	14



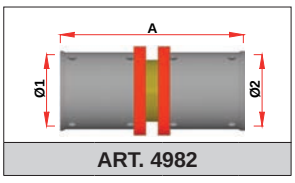
ART. 2042

CODE	Ø1	A	B	C	D
2042 38	3/8"	71	20	33	9
2042 12	1/2"	71	20	33	9



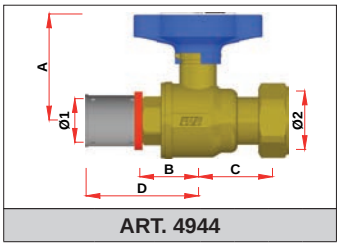
ART. 4932

CODE	Ø1	Ø2	A	B	C
49324001	32x2,9	40x3,7	61	65	68



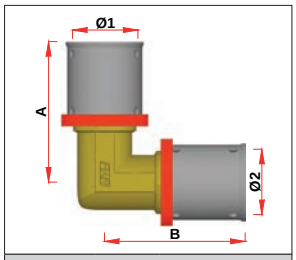
ART. 4982

CODE	Ø1	Ø2	A
49822501	25x2,3	25x2,3	66
49823201	32x2,9	32x2,9	66
49824001	40x3,7	40x3,7	92
49825001	50x4,6	50x4,6	97
49826301	63x5,8	63x5,8	136



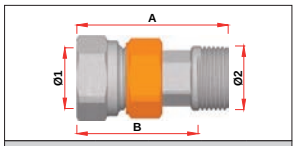
ART. 4944

CODE	Ø1	Ø2	A	B	C	D
49442501	25x2,3	1"	59	32	43	61
49442502	25x2,3	1"	59	32	43	61
49443201	32x2,9	1"	59	33	43	62
49443202	32x2,9	1"	59	33	43	62
49444001	40x3,7	1"	59	34	43	73
49444002	40x3,7	1"	59	34	43	73



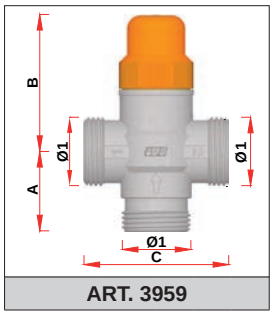
ART. 4986

CODE	Ø1	Ø2	A	B
49862501	25x2,3	25x2,3	52	52
49863201	32x2,9	32x2,9	55	55
49864001	40x3,7	40x3,7	68	68
49865001	50x4,6	50x4,6	82	82
49866301	63x5,8	63x5,8	114	114



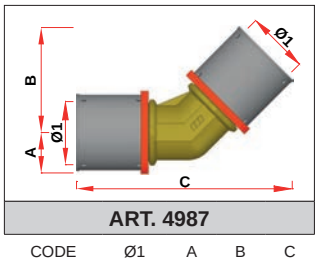
ART. 5152

CODE	Ø1	Ø2	A	B
5152 34	3/4”	3/4”	62	48
5152 1	1”	1”	67	53



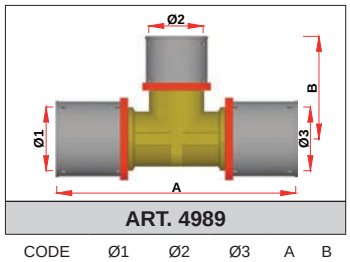
ART. 3959

CODE	Ø1	A	B	C
3959 1	1”	39	66	70



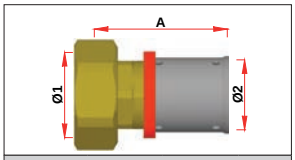
ART. 4987

CODE	Ø1	A	B	C
49874001	40x3,7	24	60	123



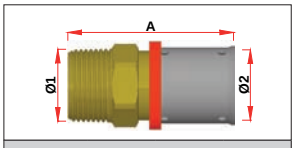
ART. 4989

CODE	Ø1	Ø2	Ø3	A	B
49894002	40x3,7	32x2,9	40x3,7	136	60



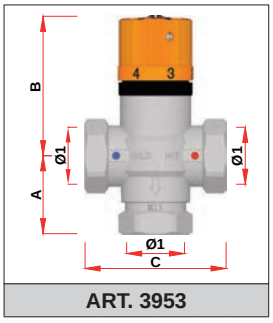
ART. 4999

CODE	Ø1	Ø2	A
49992501	1” TP	25x2,3	50
49993201	1” TP	32x2,9	53
49994001	1” TP	40x3,7	67
49994002	1”1/4 TP	40x3,7	64
49995002	1”1/2 TP	50x4,6	66



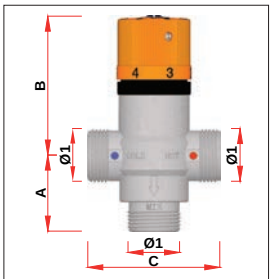
ART. 4980

CODE	Ø1	Ø2	A
49802501	3/4”	25x2,3	60
49803201	1”	32x2,9	63
49804001	1”1/4	40x3,7	76
49804002	1”	40x3,7	73
49805001	1”1/2	50x4,6	80
49806301	2”	63x5,8	108



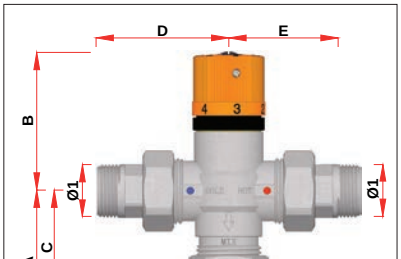
ART. 3953

CODE	Ø1	A	B	C
3953 12	1/2”	38	75	66
3953 34	3/4”	39	75	70
3953 1	1”	42	75	74



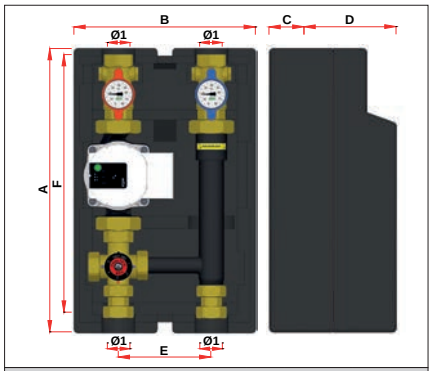
ART. 3954

CODE	Ø1	A	B	D
3954 34	3/4”	38	75	66
3954 1	1”	39	75	70



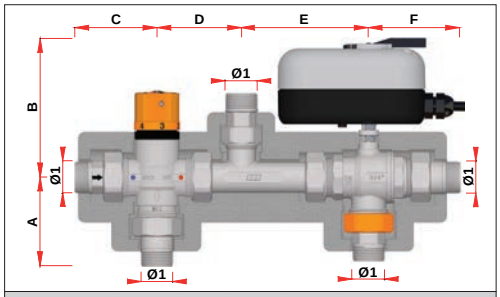
ART. 3955

CODE	Ø1	A	B	C	D	E
3955 12	1/2”	69	75	56	64	51
3955 12VR	1/2”	69	75	56	64	51
3955 34	3/4”	72	75	58	68	54
3955 34VR	3/4”	72	75	58	68	57
3955 1	1”	78	75	64	74	60
3955 1VR	1”	78	75	64	74	60
3955 114	1”1/4	112	68	94	96	78
3955 112	1”1/2	117	67	99	100	82



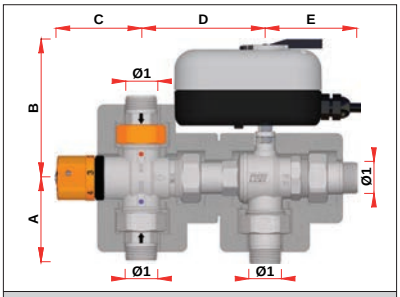
ART. 2184

CODE	Ø1	A	B	C	D	E	F
2184 1130xx	1”	384	245	55	115	125	347
2184 1180xx	1”	434	245	67	115/154	125	397



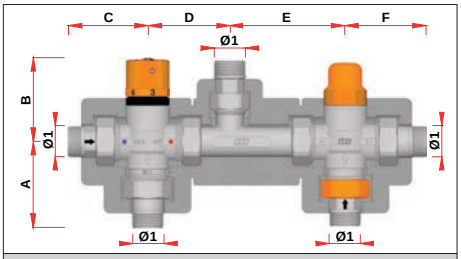
ART. 3090

CODE	Ø1	A	B	C	D	E	F
3090 34	3/4”	72	112	67	69	104	75



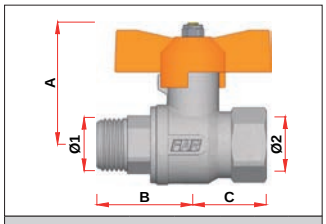
ART. 3091

CODE	Ø1	A	B	C	D	E
3091 34	3/4”	67	112	71	101	75



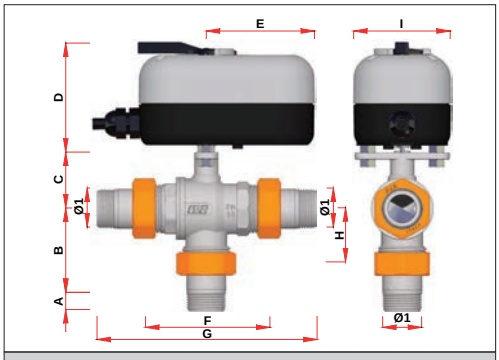
ART. 3092

CODE	Ø1	A	B	C	D	E	F
3092 34	3/4”	72	71	67	69	97	68



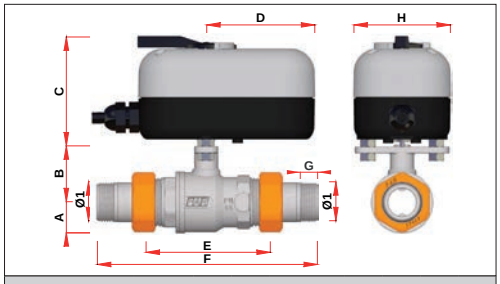
ART. 3033

CODE	Ø1	Ø2	A	B	C
3033 12	1/2”	1/2”	44	38	29



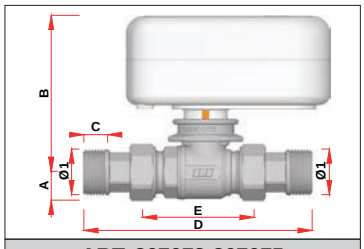
ART. 300729

CODE	Ø1	A	B	C	D	E	F	G	H	I
300729 3408	3/4”	14	56	38	75	74	84	150	36	66
300729 108	1”	16	63	42	75	74	94	171	41	66
300729 11408	1”1/4	18	71	47	75	74	107	190	48	66



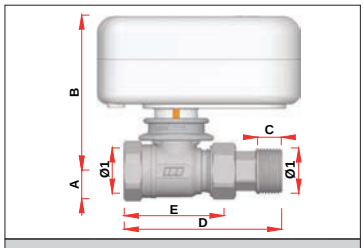
ART. 300724

CODE	Ø1	A	B	C	D	E	F	G	H
300724 3408	R3/4	21	38	75	74	84	150	14	66
300724 108	R1	26	42	75	74	94	171	16	66
300724 11408	R1 1/4	31	42	75	74	107	190	18	66



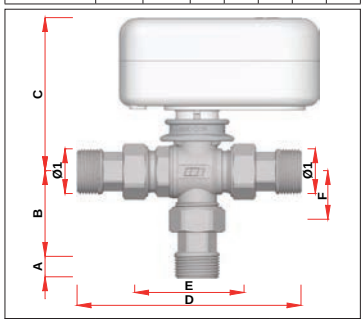
ART. 307072-307075

CODE	Ø1	DN	A	B	C	D	E
307072 1	1”	25	26	98	14	154	76
307075 12	1/2”	15	17	91	13	121	61
307075 34	3/4”	15	17	91	14	132	61
307075 1	1”	20	21	96	14	147	69



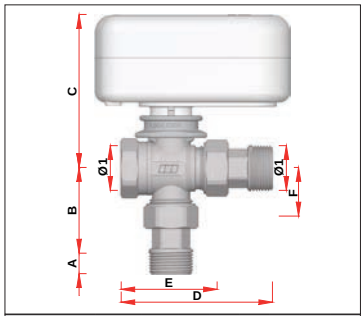
ART. 307074-307077

CODE	Ø1	DN	A	B	C	D	E
307074 1	1”	25	26	98	14	113	74
307077 12	1/2”	15	17	91	13	87	57
307077 34	3/4”	15	17	91	14	92	57
307077 1	1”	20	21	96	14	107	68



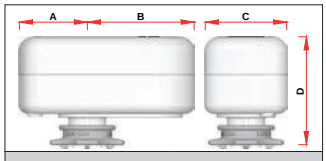
ART. 307080

CODE	Ø1	DN	A	B	C	D	E	F
307080 12	1/2”	15	13	46	91	121	61	27
307080 34	3/4”	15	14	49	91	132	61	27
307080 1	1”	20	14	56	96	147	69	33



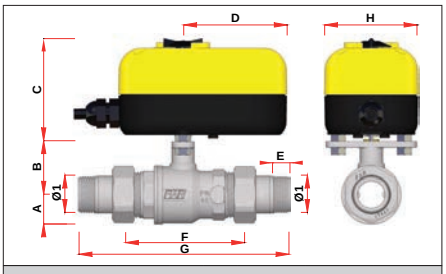
ART. 307082

CODE	Ø1	DN	A	B	C	D	E	F
307082 12	1/2”	15	13	46	91	87	57	27
307082 34	3/4”	15	14	49	91	92	57	27
307082 1	1”	20	14	56	96	107	68	33



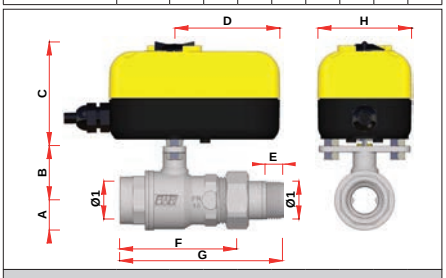
ART. 3070-3071

CODE	A	B	C	D
3070-3071	46	72	55	73



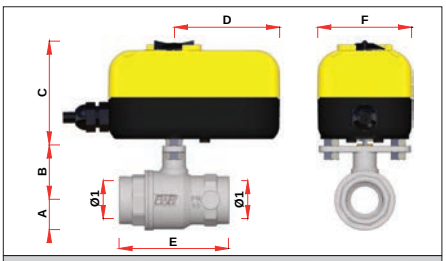
ART. 300115

CODE	Ø1	A	B	C	D	E	F	G	H
300115 1240	1/2”	16	33	73	74	13	75	136	66
300115 3440	3/4”	21	38	73	74	14	84	150	66
300115 140	1”	26	42	73	74	16	94	171	66
300115 11440	1”1/4	31	47	73	74	18	107	190	66



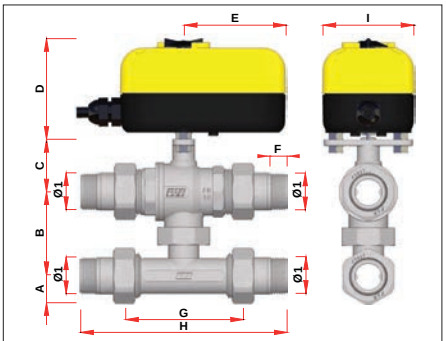
ART. 300117

CODE	Ø1	A	B	C	D	E	F	G	H
300117 1240	1/2”	16	33	73	74	13	70	100	66
300117 3440	3/4”	21	38	73	74	14	81	115	66
300117 140	1”	26	42	73	74	16	92	131	66
300117 11440	1”1/4	31	47	73	74	18	106	148	66



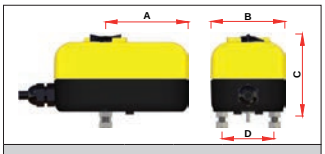
ART. 300116

CODE	Ø1	A	B	C	D	E	F
300116 1240	1/2”	16	33	73	74	64	66
300116 3440	3/4”	21	38	73	74	77	66
300116 140	1”	26	42	73	74	90	66



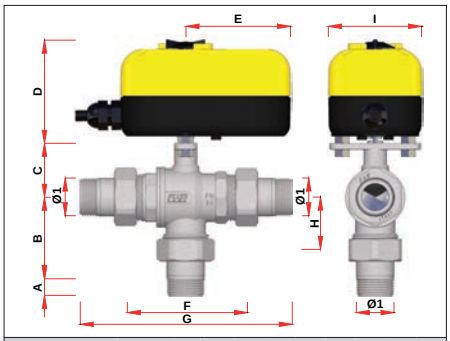
ART. 300125

CODE	Ø1	A	B	C	D	E	F	G	H	I
300125 3440	3/4”	21	52-63	38	73	74	14	84	150	66
300125 140	1”	26	52-63	42	73	74	16	94	172	66



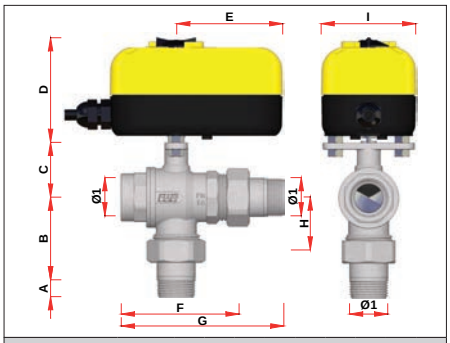
ART. 3001-3002

CODE	A	B	C	D
3001-3002	74	66	73	47



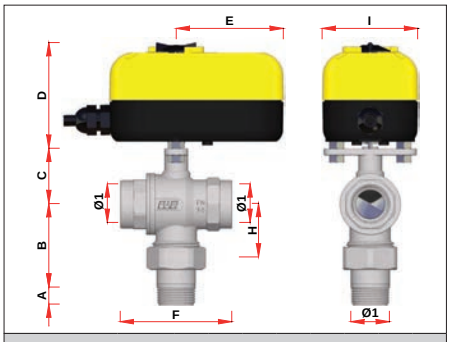
ART. 300120

CODE	Ø1	A	B	C	D	E	F	G	H	I
300120 1240	1/2”	13	48	33	73	74	75	136	28	66
300120 3440	3/4”	14	56	38	73	74	84	150	36	66
300120 140	1”	16	63	42	73	74	94	172	41	66
300120 11440	1”1/4	18	71	47	73	74	107	190	48	66



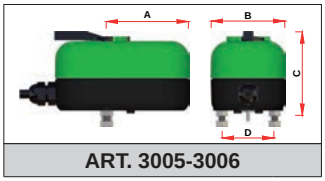
ART. 300122

CODE	Ø1	A	B	C	D	E	F	G	H	I
300122 1240	1/2”	13	48	33	73	74	70	100	28	66
300122 3440	3/4”	14	56	38	73	74	80	114	36	66
300122 140	1”	16	63	42	73	74	92	132	41	66
300122 11440	1”1/4	18	71	47	73	74	106	148	48	66



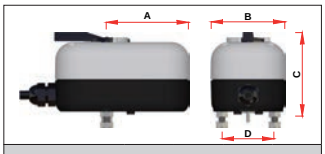
ART. 300121

CODE	Ø1	A	B	C	D	E	F	G	H
300121 1240	1/2”	13	48	33	73	74	64	28	66
300121 3440	3/4”	14	56	38	73	74	77	36	66
300121 140	1”	16	63	42	73	74	90	41	66



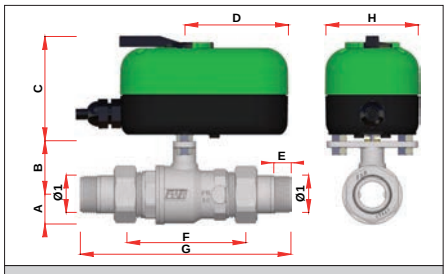
ART. 3005-3006

CODE	A	B	C	D
3005-3006	74	66	75	47



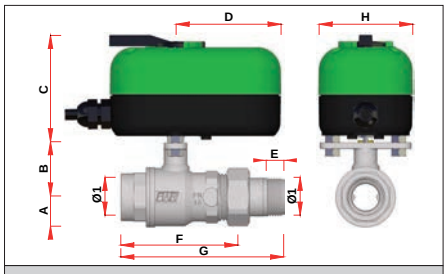
ART. 3007-3008

CODE	A	B	C	D
3007-3008	74	66	75	47



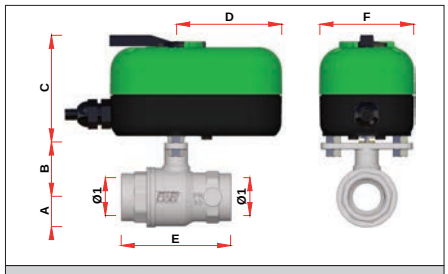
ART. 300515

CODE	Ø1	A	B	C	D	E	F	G	H
300515 1240	1/2”	16	33	75	74	13	75	136	66
300515 3440	3/4”	21	38	75	74	14	84	150	66
300515 140	1”	26	42	75	74	16	94	171	66
300515 11440	1”1/4	31	47	75	74	18	107	190	66



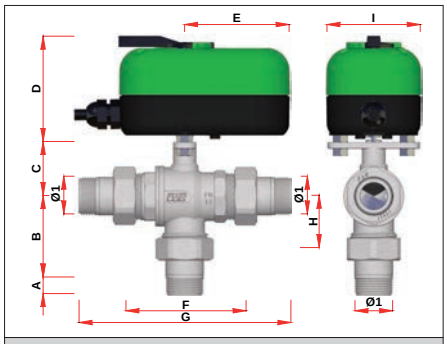
ART. 300517

CODE	Ø1	A	B	C	D	E	F	G	H
300517 1240	1/2”	16	33	75	74	13	70	100	66
300517 3440	3/4”	21	38	75	74	14	81	115	66
300517 140	1”	26	42	75	74	16	92	131	66
300517 11440	1”1/4	31	47	75	74	18	106	148	66



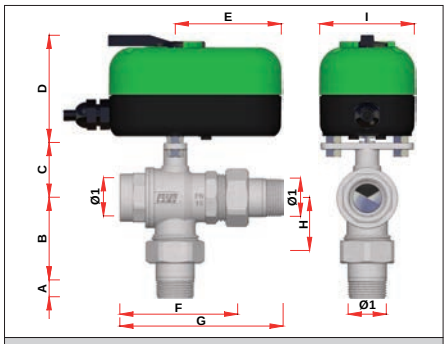
ART. 300516

CODE	Ø1	A	B	C	D	E	F
300516 1240	1/2”	16	33	75	74	64	66
300516 3440	3/4”	21	38	75	74	77	66
300516 140	1”	26	42	75	74	90	66



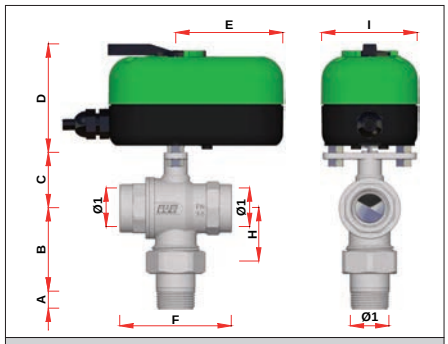
ART. 300520

CODE	Ø1	A	B	C	D	E	F	G	H	I
300520 1240	1/2”	13	48	33	75	74	75	136	28	66
300520 3440	3/4”	14	56	38	75	74	84	150	36	66
300520 140	1”	16	63	42	75	74	94	172	41	66
300520 11440	1”1/4	18	71	47	75	74	107	190	48	66



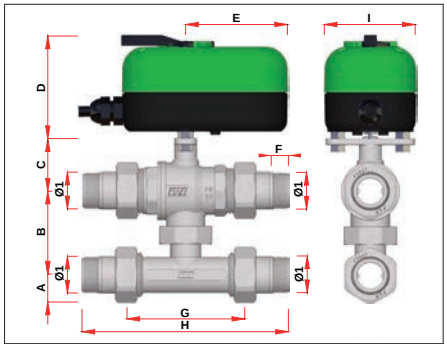
ART. 300522

CODE	Ø1	A	B	C	D	E	F	G	H	I
300522 1240	1/2”	13	48	33	75	74	70	100	28	66
300522 3440	3/4”	14	56	38	75	74	80	114	36	66
300522 140	1”	16	63	42	75	74	92	132	41	66
300522 11440	1”1/4	18	71	47	75	74	106	148	48	66



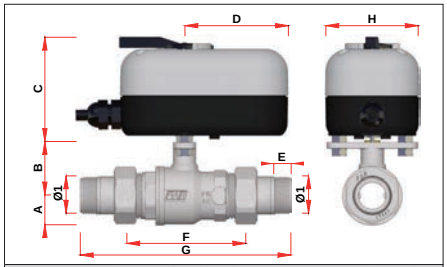
ART. 300521

CODE	Ø1	A	B	C	D	E	F	G	H
300521 1240	1/2”	13	48	33	75	74	64	28	66
300521 3440	3/4”	14	56	38	75	74	77	36	66
300521 140	1”	16	63	42	75	74	90	41	66



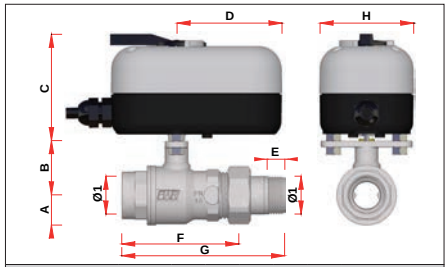
ART. 300525

CODE	Ø1	A	B	C	D	E	F	G	H	I
300525 3440	3/4”	21	52-63	38	75	74	14	84	150	66
300525 140	1”	26	52-63	42	75	74	16	94	172	66



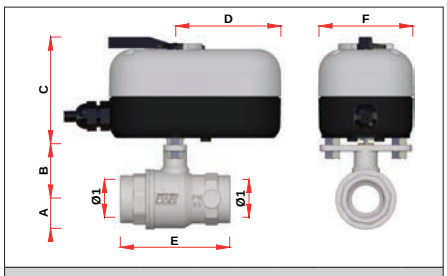
ART. 300715

CODE	Ø1	A	B	C	D	E	F	G	H
300715 1240	1/2”	16	33	75	74	13	75	136	66
300715 3440	3/4”	21	38	75	74	14	84	150	66
300715 140	1”	26	42	75	74	16	94	171	66
300715 11440	1”1/4	31	47	75	74	18	107	190	66



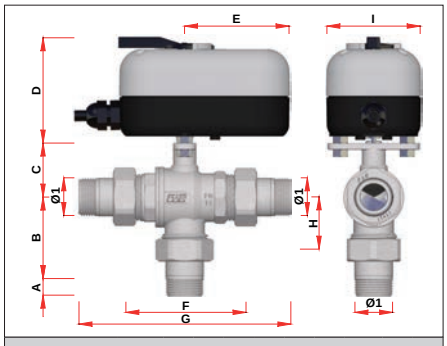
ART. 300717

CODE	Ø1	A	B	C	D	E	F	G	H
300717 1240	1/2”	16	33	75	74	13	70	100	66
300717 3440	3/4”	21	38	75	74	14	81	115	66
300717 140	1”	26	42	75	74	16	92	131	66
300717 11440	1”1/4	31	47	75	74	18	106	148	66



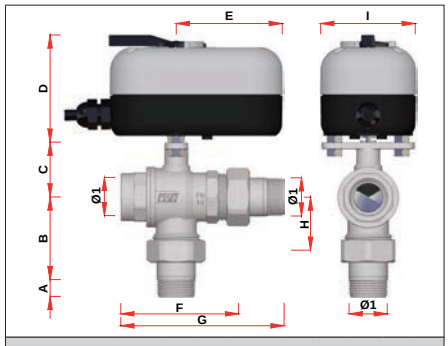
ART. 300716

CODE	Ø1	A	B	C	D	E	F
300716 1208	1/2”	16	33	75	74	64	66
300716 3408	3/4”	21	38	75	74	77	66
300716 108	1”	26	42	75	74	90	66



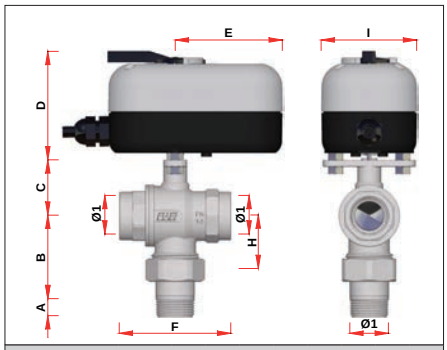
ART. 300720

CODE	Ø1	A	B	C	D	E	F	G	H	I
300720 1208	1/2”	13	48	33	75	74	75	136	28	66
300720 3408	3/4”	14	56	38	75	74	84	150	36	66
300720 108	1”	16	63	42	75	74	94	172	41	66
300720 11408	1”1/4	18	71	47	75	74	107	190	48	66



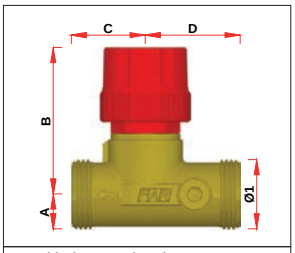
ART. 300722

CODE	Ø1	A	B	C	D	E	F	G	H	I
300722 1208	1/2”	13	48	33	75	74	70	100	28	66
300722 3408	3/4”	14	56	38	75	74	80	114	36	66
300722 108	1”	16	63	42	75	74	92	132	41	66
300722 11408	1”1/4	18	71	47	75	74	106	148	48	66



ART. 300721

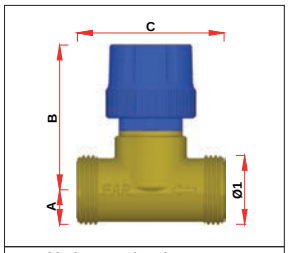
CODE	Ø1	A	B	C	D	E	F	G	H
300721 1208	1/2”	13	48	33	75	74	64	28	66
300721 3408	3/4”	14	56	38	75	74	77	36	66
300721 108	1”	16	63	42	75	74	90	41	66



* = with thermo-electric actuator

ART. 3085

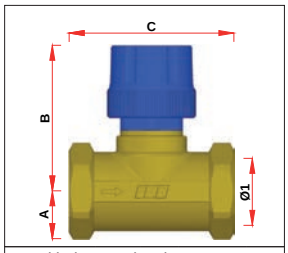
CODE	Ø1	A	B	C	D
3085 34	3/4”	13	56 (95*)	28	36
3085 1	1”	17	56 (95*)	28	36



* = with thermo-electric actuator

ART. 3087

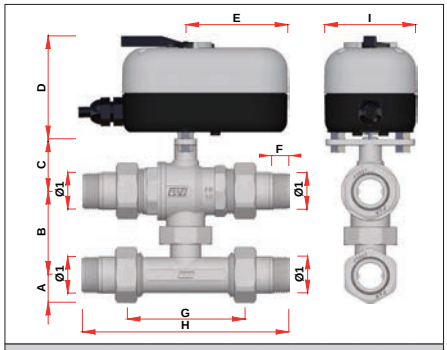
CODE	Ø1	A	B	C
3087 12	1/2”	11	56 (95*)	52
3087 34	3/4”	13	56 (95*)	56
3087 1	1”	17	56 (95*)	62



* = with thermo-electric actuator

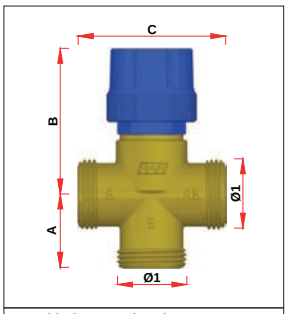
ART. 3088

CODE	Ø1	A	B	C
3088 12	1/2”	15	56 (95*)	56
3088 34	3/4”	19	56 (95*)	64



ART. 300725

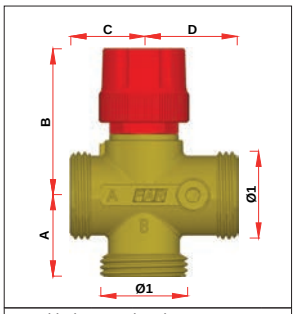
CODE	Ø1	A	B	C	D	E	F	G	H	I
300725 3440	3/4”	21	52-63	38	75	74	14	84	150	66
300725 140	1”	26	52-63	42	75	74	16	94	172	66



* = with thermo-electric actuator

ART. 3086

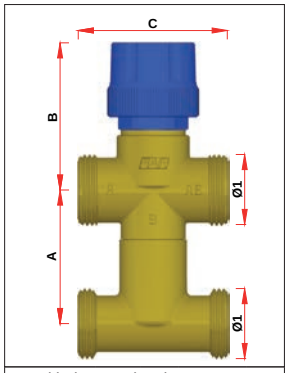
CODE	Ø1	A	B	C
3086 12	1/2”	26	56 (95*)	52
3086 34	3/4”	28	56 (95*)	56
3086 1	1”	31	56 (95*)	62



* = with thermo-electric actuator

ART. 3094

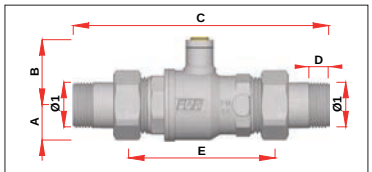
CODE	Ø1	A	B	C	D
3094 1	1”	31	56 (95*)	28	35



* = with thermo-electric actuator

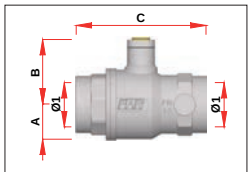
ART. 3089

CODE	Ø1	A	B	C
3089 12	1/2”	41	56 (95*)	52
3089 34	3/4”	51	56 (95*)	56



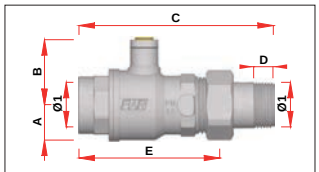
ART. 3015

CODE	Ø1	A	B	C	D	E
3015 12	1/2”	16	33	136	13	75
3015 34	3/4”	21	38	150	14	84
3015 1	1”	26	42	171	16	94
3015 114	1”1/4	31	47	190	18	107



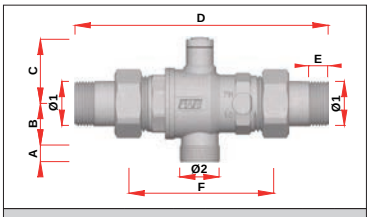
ART. 3016

CODE	Ø1	A	B	C
3016 12	1/2”	16	33	64
3016 34	3/4”	21	38	77
3016 1	1”	26	42	90



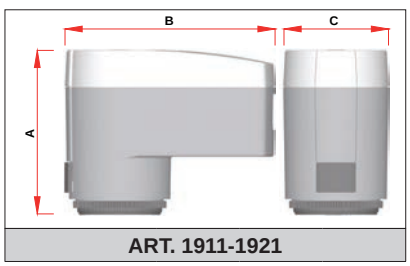
ART. 3017

CODE	Ø1	A	B	C	D	E
3017 12	1/2”	16	33	100	13	70
3017 34	3/4”	21	38	115	14	81
3017 1	1”	26	42	131	16	92
3017 114	1”1/4	31	47	148	18	106



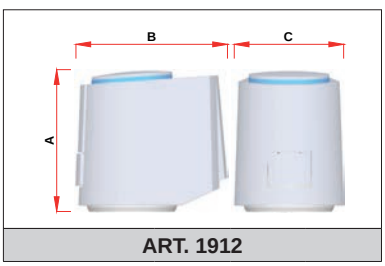
ART. 3031

CODE	Ø1	Ø2	A	B	C	D	E	F
3031 34	3/4”	24x19	10	25	38	151	14	85
3031 1	1”	24x19	11	64	42	172	16	94



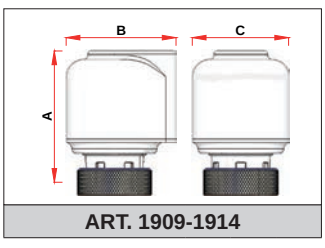
ART. 1911-1921

CODE	A	B	C
1911-1921	65	90	45



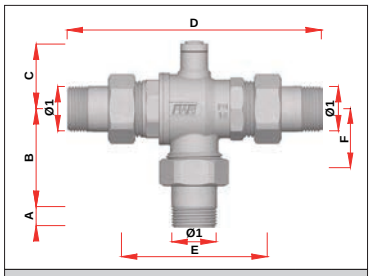
ART. 1912

CODE	A	B	C
1912	53	62	44



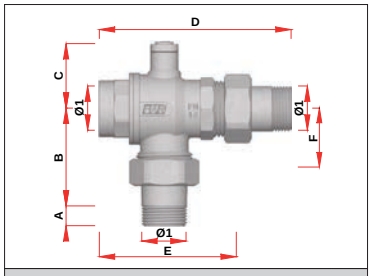
ART. 1909-1914

CODE	A	B	C
1909-1919-1929-1939	59	49	44
1914-1924-1913-1923	59	49	44



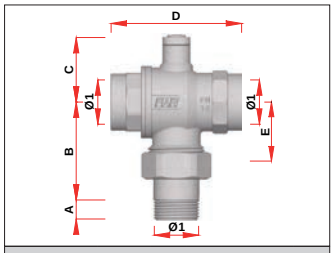
ART. 3020-3032

CODE	Ø1	A	B	C	D	E	F
3020 12	1/2”	13	48	33	136	75	28
3020 34	3/4”	14	56	38	150	84	36
3020 1	1”	16	63	42	172	94	41
3020 114	1”1/4	18	71	47	190	107	48
3032 12	1/2”	13	48	33	136	75	28
3032 34	3/4”	14	56	38	150	84	36
3032 1	1”	16	63	42	172	94	41
3032 114	1”1/4	18	71	47	190	107	48



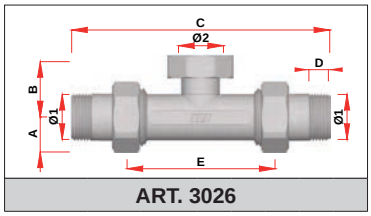
ART. 3022

CODE	Ø1	A	B	C	D	E	F
3022 12	1/2”	13	48	33	100	70	28
3022 34	3/4”	14	56	38	114	80	36
3022 1	1”	16	63	42	132	92	41
3022 114	1”1/4	18	71	47	148	106	48



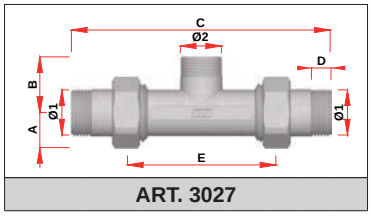
ART. 3021

CODE	Ø1	A	B	C	D	E
3021 12	1/2”	13	48	33	64	28
3021 34	3/4”	14	56	38	77	36
3021 1	1”	16	63	42	90	41



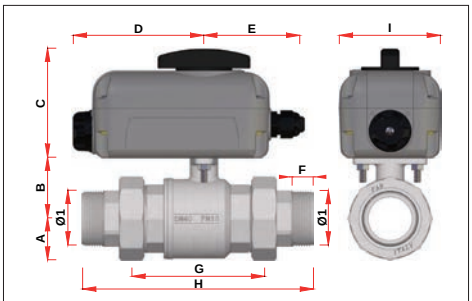
ART. 3026

CODE	Ø1	Ø2	A	B	C	D	E
3026 34	3/4”	1”	21	32	150	14	84
3026 1	1”	1” 1/4	26	28	172	16	94



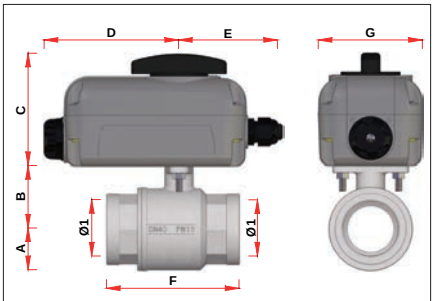
ART. 3027

CODE	Ø1	Ø2	A	B	C	D	E
3027 34	3/4”	24x19	21	32	150	14	84
3027 1	1”	24x19	26	46	172	16	94



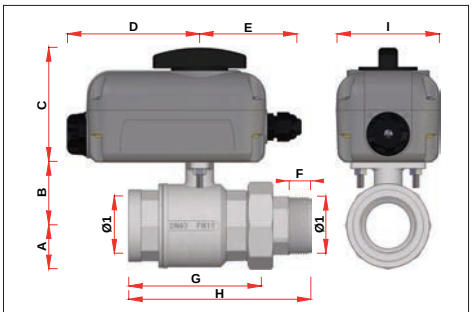
ART. 303915

CODE	Ø1	A	B	C	D	E	F	G	H	I
303915 112	1”1/2	35	53	95	116	84	18	113	202	88
303915 2	2”	43	61	95	116	84	20	130	232	88



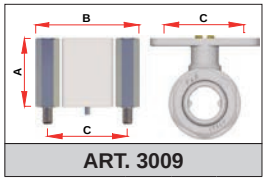
ART. 303916

CODE	Ø1	A	B	C	D	E	F	G
303916 112	1”1/2	35	53	95	116	84	110	88
303916 2	2”	43	61	95	116	84	129	88



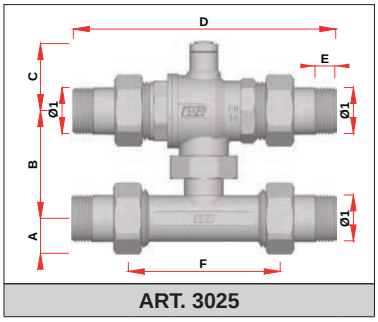
ART. 303917

CODE	Ø1	A	B	C	D	E	F	G	H	I
303917 112	1”1/2	35	53	95	116	84	18	112	157	88
303917 2	2”	43	61	95	116	84	20	129	181	88



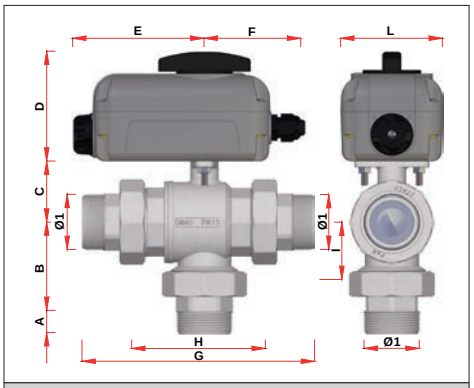
ART. 3009

CODE	A	B	C
3009 40	40	60	47
3009 100	100	60	47



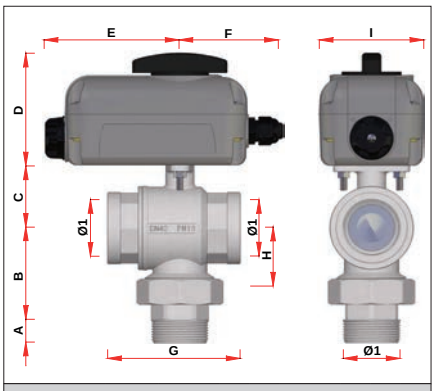
ART. 3025

CODE	Ø1	A	B	C	D	E	F
3025 34	3/4”	21	52-63	38	150	14	84
3025 1	1”	26	52-63	42	172	16	94



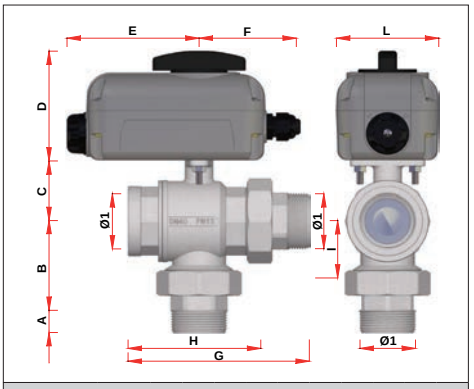
ART. 303920

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
303920 112	1”1/2	18	78	53	95	116	84	201	113	52	88
303920 2	2”	20	94	61	95	116	84	233	130	63	88



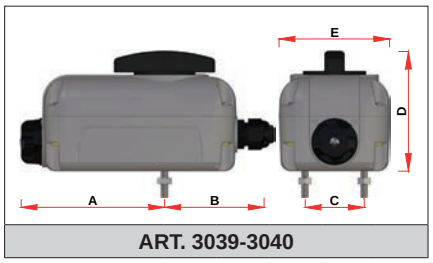
ART. 303921

CODE	Ø1	A	B	C	D	E	F	G	H	I
303921 112	1”1/2	18	78	53	95	116	84	112	52	88
303921 2	2”	20	94	61	95	116	84	129	63	88



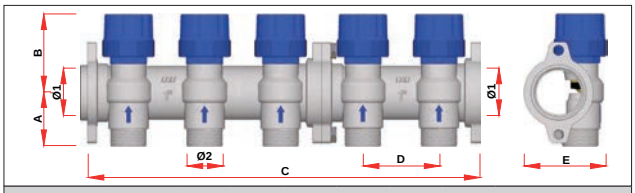
ART. 303922

CODE	Ø1	A	B	C	D	E	F	G	H	I	L
303922 112	1”1/2	18	78	53	95	116	84	156	112	52	88
303922 2	2”	20	94	61	95	116	84	181	129	63	88



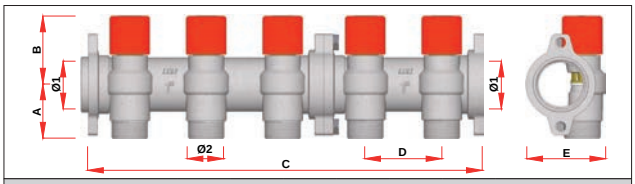
ART. 3039-3040

CODE	A	B	C	D	E
3039 30-3039 80	116	84	47	95	88
3040 30-3040 80	116	84	47	95	88



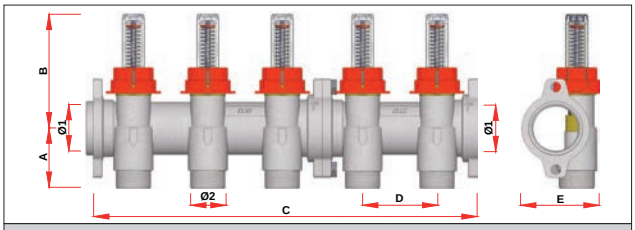
ART. 3914-3917

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3914-3917	2	1”	35	52	104	50	54	24x19-3/4”
3914-3917	3	1”	35	52	154	50	54	24x19-3/4”
3914-3917	4	1”	35	52	204	50	54	24x19-3/4”
3914-3917	5	1”	35	52	258	50	54	24x19-3/4”
3914-3917	6	1”	35	52	308	50	54	24x19-3/4”
3914-3917	7	1”	35	52	358	50	54	24x19-3/4”
3914-3917	8	1”	35	52	408	50	54	24x19-3/4”
3914-3917	9	1”	35	52	462	50	54	24x19-3/4”
3914-3917	10	1”	35	52	512	50	54	24x19-3/4”
3914-3917	11	1”	35	52	562	50	54	24x19-3/4”
3914-3917	12	1”	35	52	612	50	54	24x19-3/4”



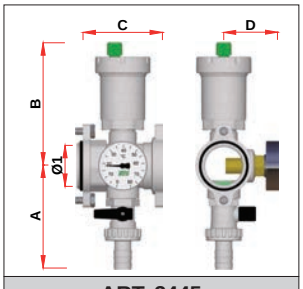
ART. 3915-3918

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3915-3918	2	1”	35	45	104	50	52	24x19-3/4”
3915-3918	3	1”	35	45	154	50	52	24x19-3/4”
3915-3918	4	1”	35	45	204	50	52	24x19-3/4”
3915-3918	5	1”	35	45	258	50	52	24x19-3/4”
3915-3918	6	1”	35	45	308	50	52	24x19-3/4”
3915-3918	7	1”	35	45	358	50	52	24x19-3/4”
3915-3918	8	1”	35	45	408	50	52	24x19-3/4”
3915-3918	9	1”	35	45	462	50	52	24x19-3/4”
3915-3918	10	1”	35	45	512	50	52	24x19-3/4”
3915-3918	11	1”	35	45	562	50	52	24x19-3/4”
3915-3918	12	1”	35	45	612	50	52	24x19-3/4”



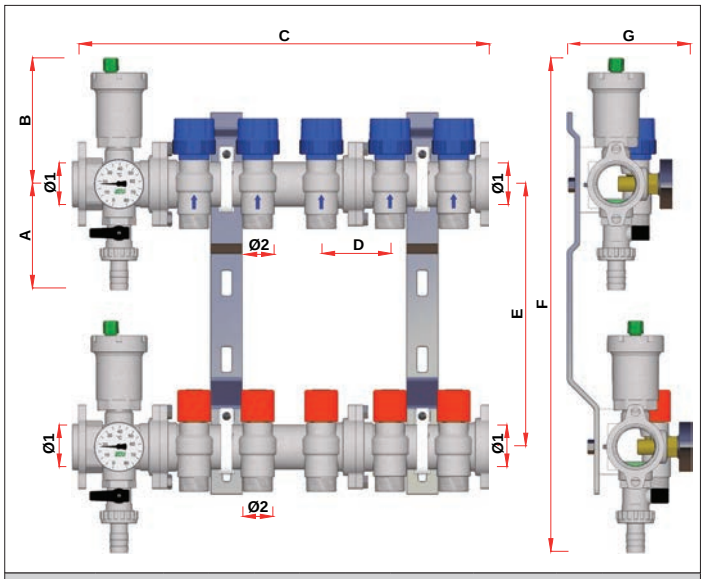
ART. 3972-3982

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3972-3982	2	1”	40	76	104	50	52	24x19-3/4”
3972-3982	3	1”	40	76	154	50	52	24x19-3/4”
3972-3982	4	1”	40	76	204	50	52	24x19-3/4”
3972-3982	5	1”	40	76	258	50	52	24x19-3/4”
3972-3982	6	1”	40	76	308	50	52	24x19-3/4”
3972-3982	7	1”	40	76	358	50	52	24x19-3/4”
3972-3982	8	1”	40	76	408	50	52	24x19-3/4”
3972-3982	9	1”	40	76	462	50	52	24x19-3/4”
3972-3982	10	1”	40	76	512	50	52	24x19-3/4”
3972-3982	11	1”	40	76	562	50	52	24x19-3/4”
3972-3982	12	1”	40	76	612	50	52	24x19-3/4”



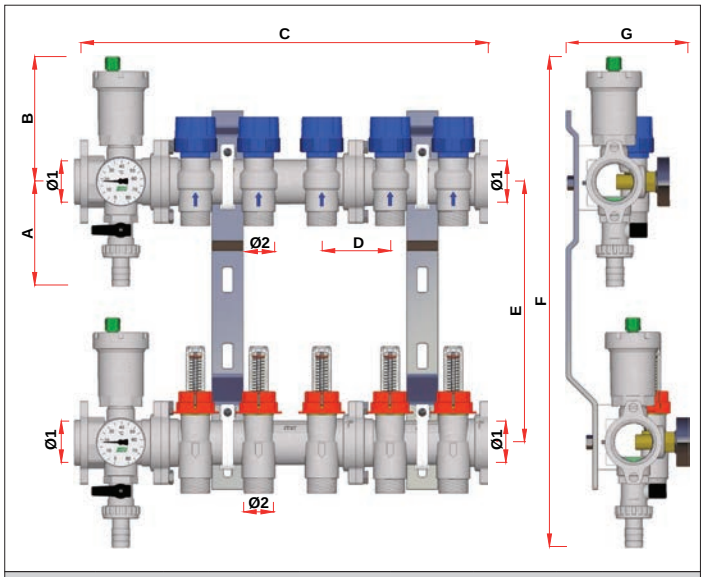
ART. 3445

CODE	Ø1	A	B	C	D
3445 1	1”	83	99	64	43



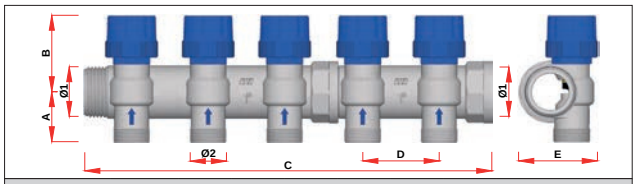
ART. 3465-3471

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3465-3471	3	1”	83	99	218	50	206-270	389-453	98	24x19-3/4”
3465-3471	4	1”	83	99	268	50	206-270	389-453	98	24x19-3/4”
3465-3471	5	1”	83	99	322	50	206-270	389-453	98	24x19-3/4”
3465-3471	6	1”	83	99	372	50	206-270	389-453	98	24x19-3/4”
3465-3471	7	1”	83	99	422	50	206-270	389-453	98	24x19-3/4”
3465-3471	8	1”	83	99	472	50	206-270	389-453	98	24x19-3/4”
3465-3471	9	1”	83	99	526	50	206-270	389-453	98	24x19-3/4”
3465-3471	10	1”	83	99	576	50	206-270	389-453	98	24x19-3/4”
3465-3471	11	1”	83	99	626	50	206-270	389-453	98	24x19-3/4”
3465-3471	12	1”	83	99	676	50	206-270	389-453	98	24x19-3/4”



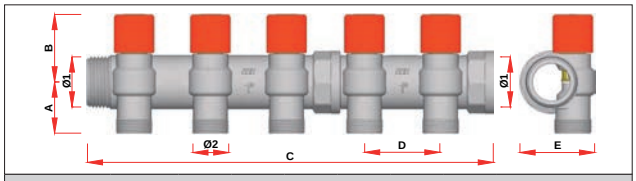
ART. 3563-3583

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3563-3583	3	1”	83	99	218	50	206-270	389-453	98	24x19-3/4”
3563-3583	4	1”	83	99	268	50	206-270	389-453	98	24x19-3/4”
3563-3583	5	1”	83	99	322	50	206-270	389-453	98	24x19-3/4”
3563-3583	6	1”	83	99	372	50	206-270	389-453	98	24x19-3/4”
3563-3583	7	1”	83	99	422	50	206-270	389-453	98	24x19-3/4”
3563-3583	8	1”	83	99	472	50	206-270	389-453	98	24x19-3/4”
3563-3583	9	1”	83	99	526	50	206-270	389-453	98	24x19-3/4”
3563-3583	10	1”	83	99	576	50	206-270	389-453	98	24x19-3/4”
3563-3583	11	1”	83	99	626	50	206-270	389-453	98	24x19-3/4”
3563-3583	12	1”	83	99	676	50	206-270	389-453	98	24x19-3/4”



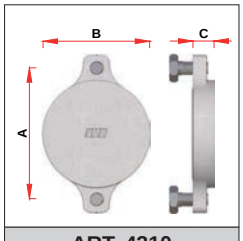
ART. 3913-3911

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3913-3911	2	1”	34	52	116	50	52	24x19-1/2”-3/4”
3913-3911	3	1”	34	52	166	50	52	24x19-1/2”-3/4”
3913-3911	4	1”	34	52	216	50	52	24x19-1/2”-3/4”
3913-3911	5	1”	34	52	267	50	52	24x19-1/2”-3/4”
3913-3911	6	1”	34	52	317	50	52	24x19-1/2”-3/4”
3913-3911	7	1”	34	52	367	50	52	24x19-1/2”-3/4”
3913-3911	8	1”	34	52	417	50	52	24x19-1/2”-3/4”
3913-3911	9	1”	34	52	468	50	52	24x19-1/2”-3/4”
3913-3911	10	1”	34	52	518	50	52	24x19-1/2”-3/4”
3913-3911	11	1”	34	52	568	50	52	24x19-1/2”-3/4”
3913-3911	12	1”	34	52	618	50	52	24x19-1/2”-3/4”
3913-3911	2	1”1/4	38	56	120	50	62	24x19-3/4”
3913-3911	3	1”1/4	38	56	170	50	62	24x19-3/4”
3913-3911	4	1”1/4	38	56	221	50	62	24x19-3/4”
3913-3911	5	1”1/4	38	56	271	50	62	24x19-3/4”
3913-3911	6	1”1/4	38	56	321	50	62	24x19-3/4”
3913-3911	7	1”1/4	38	56	372	50	62	24x19-3/4”
3913-3911	8	1”1/4	38	56	422	50	62	24x19-3/4”
3913-3911	9	1”1/4	38	56	472	50	62	24x19-3/4”
3913-3911	10	1”1/4	38	56	523	50	62	24x19-3/4”
3913-3911	11	1”1/4	38	56	573	50	62	24x19-3/4”
3913-3911	12	1”1/4	38	56	623	50	62	24x19-3/4”



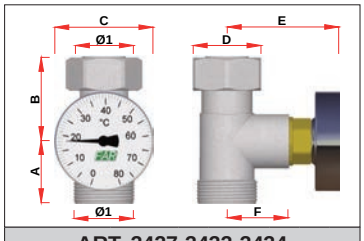
ART. 3923-3921

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3923-3921	2	1”	34	45	116	50	50	24x19-1/2”-3/4”
3923-3921	3	1”	34	45	166	50	50	24x19-1/2”-3/4”
3923-3921	4	1”	34	45	216	50	50	24x19-1/2”-3/4”
3923-3921	5	1”	34	45	267	50	50	24x19-1/2”-3/4”
3923-3921	6	1”	34	45	317	50	50	24x19-1/2”-3/4”
3923-3921	7	1”	34	45	367	50	50	24x19-1/2”-3/4”
3923-3921	8	1”	34	45	417	50	50	24x19-1/2”-3/4”
3923-3921	9	1”	34	45	468	50	50	24x19-1/2”-3/4”
3923-3921	10	1”	34	45	518	50	50	24x19-1/2”-3/4”
3923-3921	11	1”	34	45	568	50	50	24x19-1/2”-3/4”
3923-3921	12	1”	34	45	618	50	50	24x19-1/2”-3/4”
3923-3921	2	1”1/4	38	50	120	50	60	24x19-3/4”
3923-3921	3	1”1/4	38	50	170	50	60	24x19-3/4”
3923-3921	4	1”1/4	38	50	221	50	60	24x19-3/4”
3923-3921	5	1”1/4	38	50	271	50	60	24x19-3/4”
3923-3921	6	1”1/4	38	50	321	50	60	24x19-3/4”
3923-3921	7	1”1/4	38	50	372	50	60	24x19-3/4”
3923-3921	8	1”1/4	38	50	422	50	60	24x19-3/4”
3923-3921	9	1”1/4	38	50	472	50	60	24x19-3/4”
3923-3921	10	1”1/4	38	50	523	50	60	24x19-3/4”
3923-3921	11	1”1/4	38	50	573	50	60	24x19-3/4”
3923-3921	12	1”1/4	38	50	623	50	60	24x19-3/4”



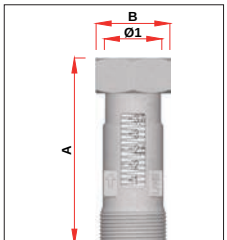
ART. 4310

CODE	A	B	C
4310 1	55	45	9
4310 114	60	51	10
4310 112	67	58	10
4310 2	80	70	10



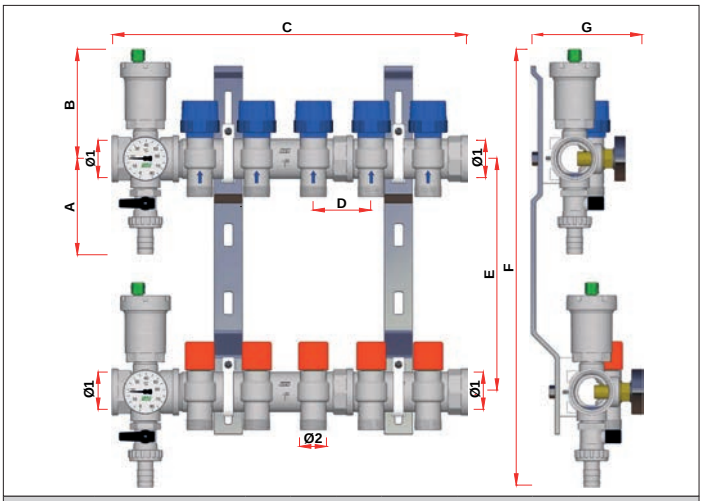
ART. 3427-3433-3434

CODE	Ø1	A	B	C	D	E	F
3427	M33x1,5	26	44	39	38	44	25
3433 34EU	3/4”EU	26	40	39	30	46	27
3433 34TP	3/4”TP	26	40	39	30	46	27
3434	W24x19	25	33	39	27	44	25



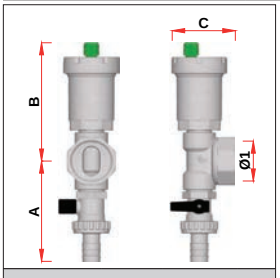
ART. 3428-3429

CODE	Ø1	A	B
3428	3/4”EU	62	27
3429	24x19	67	27



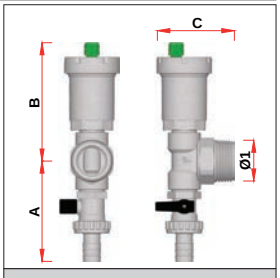
ART. 3462-3468

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3462-3468	2	1”	84	97	163	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	3	1”	84	97	213	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	4	1”	84	97	263	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	5	1”	84	97	314	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	6	1”	84	97	364	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	7	1”	84	97	414	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	8	1”	84	97	464	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	9	1”	84	97	515	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	10	1”	84	97	565	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	11	1”	84	97	615	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	12	1”	84	97	665	50	206-270	387-451	98	24x19-1/2”-3/4”
3462-3468	2	1”1/4	90	102	167	50	206-270	398-462	108	24x19-3/4”
3462-3468	3	1”1/4	90	102	217	50	206-270	398-462	108	24x19-3/4”
3462-3468	4	1”1/4	90	102	268	50	206-270	398-462	108	24x19-3/4”
3462-3468	5	1”1/4	90	102	318	50	206-270	398-462	108	24x19-3/4”
3462-3468	6	1”1/4	90	102	368	50	206-270	398-462	108	24x19-3/4”
3462-3468	7	1”1/4	90	102	419	50	206-270	398-462	108	24x19-3/4”
3462-3468	8	1”1/4	90	102	469	50	206-270	398-462	108	24x19-3/4”
3462-3468	9	1”1/4	90	102	519	50	206-270	398-462	108	24x19-3/4”
3462-3468	10	1”1/4	90	102	570	50	206-270	398-462	108	24x19-3/4”
3462-3468	11	1”1/4	90	102	620	50	206-270	398-462	108	24x19-3/4”
3462-3468	12	1”1/4	90	102	670	50	206-270	398-462	108	24x19-3/4”



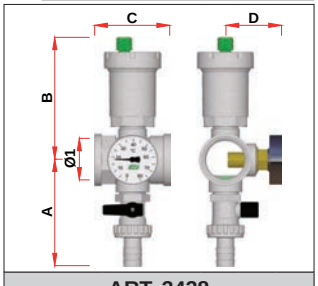
ART. 4070

CODE	Ø1	A	B	C
4070 3438	3/4”	78	91	48
4070 138	1”	80	95	50
4070 11438	1”1/4	85	100	51
4070 11238	1”1/2	90	105	52



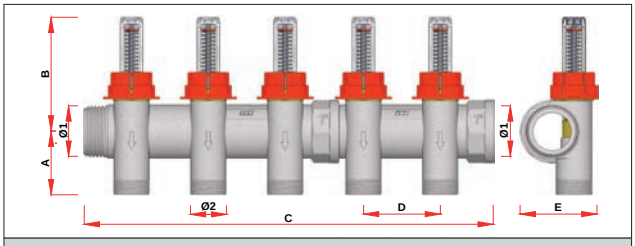
ART. 4071

CODE	Ø1	A	B	C
4071 3438	3/4”	78	91	60
4071 138	1”	80	95	62
4071 11438	1”1/4	85	100	66
4071 11238	1”1/2	90	105	68



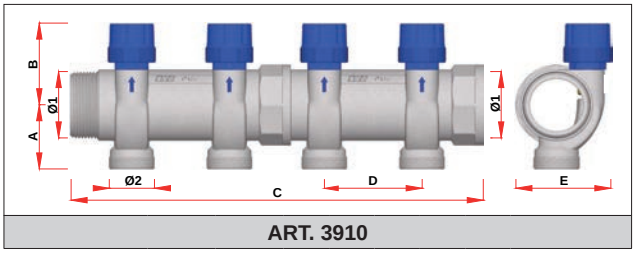
ART. 3438

CODE	Ø1	A	B	C	D
3438 34	3/4”	81	95	59	38
3438 1	1”	84	97	60	43
3438 114	1”1/4	90	102	65	50
3438 112	1”1/2	92	106	72	52



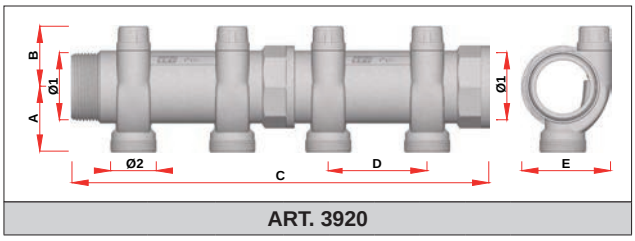
ART. 3970-3980

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3970-3980	2	1”	41	75	116	50	50	24x19-1/2”-3/4”
3970-3980	3	1”	41	75	166	50	50	24x19-1/2”-3/4”
3970-3980	4	1”	41	75	216	50	50	24x19-1/2”-3/4”
3970-3980	5	1”	41	75	267	50	50	24x19-1/2”-3/4”
3970-3980	6	1”	41	75	317	50	50	24x19-1/2”-3/4”
3970-3980	7	1”	41	75	367	50	50	24x19-1/2”-3/4”
3970-3980	8	1”	41	75	417	50	50	24x19-1/2”-3/4”
3970-3980	9	1”	41	75	468	50	50	24x19-1/2”-3/4”
3970-3980	10	1”	41	75	518	50	50	24x19-1/2”-3/4”
3970-3980	11	1”	41	75	568	50	50	24x19-1/2”-3/4”
3970-3980	12	1”	41	75	618	50	50	24x19-1/2”-3/4”
3970-3980	2	1”1/4	39	78	120	50	60	24x19-3/4”
3970-3980	3	1”1/4	39	78	170	50	60	24x19-3/4”
3970-3980	4	1”1/4	39	78	221	50	60	24x19-3/4”
3970-3980	5	1”1/4	39	78	271	50	60	24x19-3/4”
3970-3980	6	1”1/4	39	78	321	50	60	24x19-3/4”
3970-3980	7	1”1/4	39	78	372	50	60	24x19-3/4”
3970-3980	8	1”1/4	39	78	422	50	60	24x19-3/4”
3970-3980	9	1”1/4	39	78	472	50	60	24x19-3/4”
3970-3980	10	1”1/4	39	78	523	50	60	24x19-3/4”
3970-3980	11	1”1/4	39	78	573	50	60	24x19-3/4”
3970-3980	12	1”1/4	39	78	623	50	60	24x19-3/4”



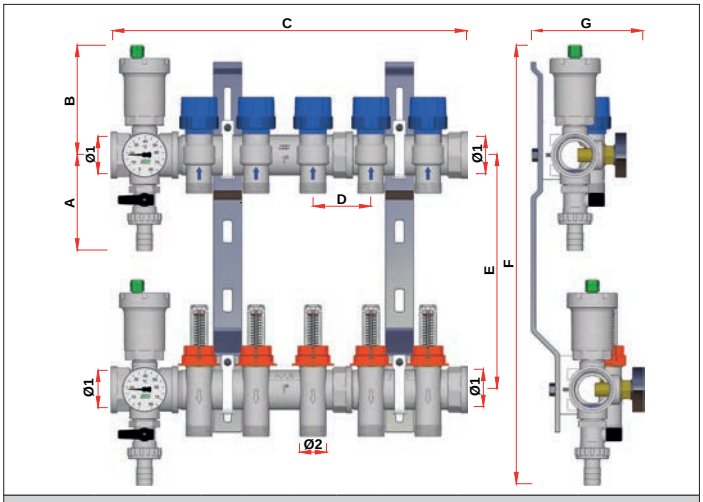
ART. 3910

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3910 11202	2	1”1/2	46	58	159	70	68	M33x1,5
3910 11203	3	1”1/2	46	58	229	70	68	M33x1,5
3910 11204	4	1”1/2	46	58	299	70	68	M33x1,5
3910 11205	5	1”1/2	46	58	369	70	68	M33x1,5
3910 11206	6	1”1/2	46	58	439	70	68	M33x1,5
3910 11207	7	1”1/2	46	58	509	70	68	M33x1,5
3910 11208	8	1”1/2	46	58	579	70	68	M33x1,5
3910 11209	9	1”1/2	46	58	649	70	68	M33x1,5
3910 11210	10	1”1/2	46	58	719	70	68	M33x1,5
3910 11211	11	1”1/2	46	58	789	70	68	M33x1,5
3910 11212	12	1”1/2	46	58	859	70	68	M33x1,5



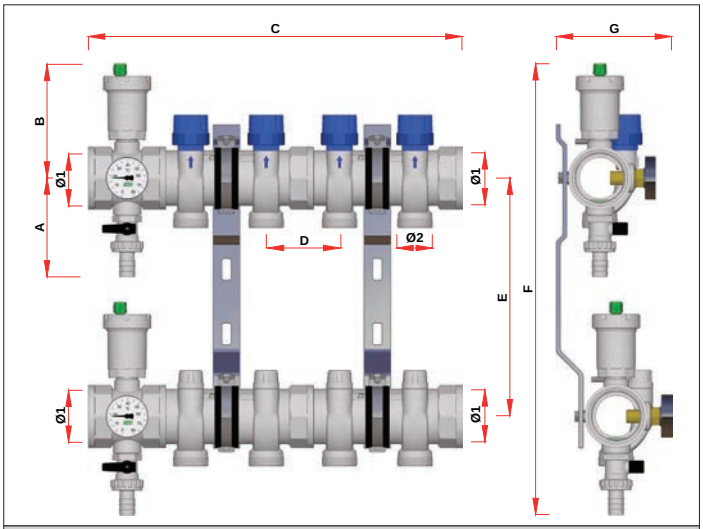
ART. 3920

CODE	PORTS	Ø1	A	B	C	D	E	Ø2
3920 11202	2	1”1/2	46	43	159	70	63	M33x1,5
3920 11203	3	1”1/2	46	43	229	70	63	M33x1,5
3920 11204	4	1”1/2	46	43	299	70	63	M33x1,5
3920 11205	5	1”1/2	46	43	369	70	63	M33x1,5
3920 11206	6	1”1/2	46	43	439	70	63	M33x1,5
3920 11207	7	1”1/2	46	43	509	70	63	M33x1,5
3920 11208	8	1”1/2	46	43	579	70	63	M33x1,5
3920 11209	9	1”1/2	46	43	649	70	63	M33x1,5
3920 11210	10	1”1/2	46	43	719	70	63	M33x1,5
3920 11211	11	1”1/2	46	43	789	70	63	M33x1,5
3920 11212	12	1”1/2	46	43	859	70	63	M33x1,5



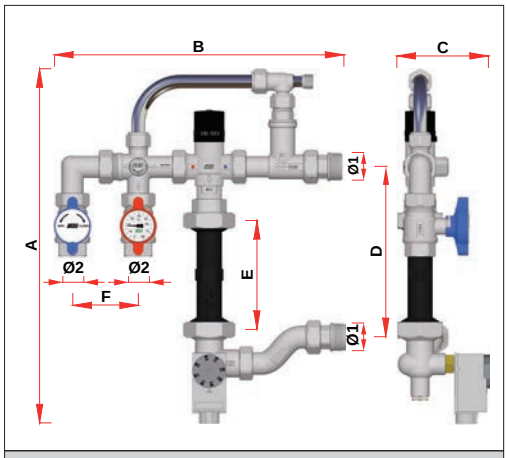
ART. 3561-3581

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3561-3581	2	1”	84	97	163	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	3	1”	84	97	213	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	4	1”	84	97	263	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	5	1”	84	97	314	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	6	1”	84	97	364	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	7	1”	84	97	414	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	8	1”	84	97	464	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	9	1”	84	97	515	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	10	1”	84	97	565	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	11	1”	84	97	615	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	12	1”	84	97	665	50	206-270	387-451	98	24x19-1/2”-3/4”
3561-3581	2	1”1/4	90	102	167	50	206-270	398-462	108	24x19-3/4”
3561-3581	3	1”1/4	90	102	217	50	206-270	398-462	108	24x19-3/4”
3561-3581	4	1”1/4	90	102	268	50	206-270	398-462	108	24x19-3/4”
3561-3581	5	1”1/4	90	102	318	50	206-270	398-462	108	24x19-3/4”
3561-3581	6	1”1/4	90	102	368	50	206-270	398-462	108	24x19-3/4”
3561-3581	7	1”1/4	90	102	419	50	206-270	398-462	108	24x19-3/4”
3561-3581	8	1”1/4	90	102	469	50	206-270	398-462	108	24x19-3/4”
3561-3581	9	1”1/4	90	102	519	50	206-270	398-462	108	24x19-3/4”
3561-3581	10	1”1/4	90	102	570	50	206-270	398-462	108	24x19-3/4”
3561-3581	11	1”1/4	90	102	620	50	206-270	398-462	108	24x19-3/4”
3561-3581	12	1”1/4	90	102	670	50	206-270	398-462	108	24x19-3/4”



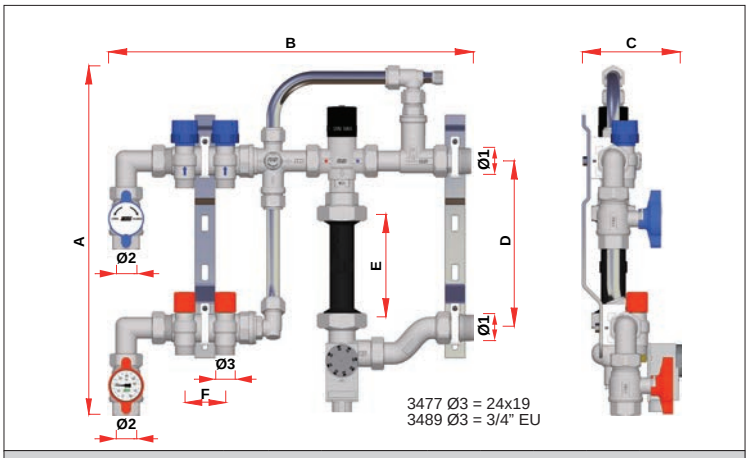
ART. 3459

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3459 11202	2	1”1/2	92	106	211	70	222	420	107	M33x1,5
3459 11203	3	1”1/2	92	106	281	70	222	420	107	M33x1,5
3459 11204	4	1”1/2	92	106	351	70	222	420	107	M33x1,5
3459 11205	5	1”1/2	92	106	421	70	222	420	107	M33x1,5
3459 11206	6	1”1/2	92	106	491	70	222	420	107	M33x1,5
3459 11207	7	1”1/2	92	106	561	70	222	420	107	M33x1,5
3459 11208	8	1”1/2	92	106	631	70	222	420	107	M33x1,5
3459 11209	9	1”1/2	92	106	701	70	222	420	107	M33x1,5
3459 11210	10	1”1/2	92	106	771	70	222	420	107	M33x1,5
3459 11211	11	1”1/2	92	106	841	70	222	420	107	M33x1,5
3459 11212	12	1”1/2	92	106	911	70	222	420	107	M33x1,5



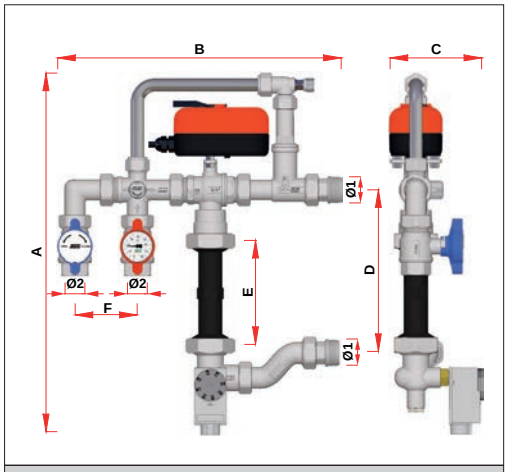
ART. 3480

CODE	Ø1	Ø2	A	B	C	D	E	F
3480 34	3/4"	3/4"	439	350	125	221	130	79
3480 1	1"	3/4"	428	349	109	206	130	79
3480 114	1"/1/4	3/4"	439	350	125	221	130	79



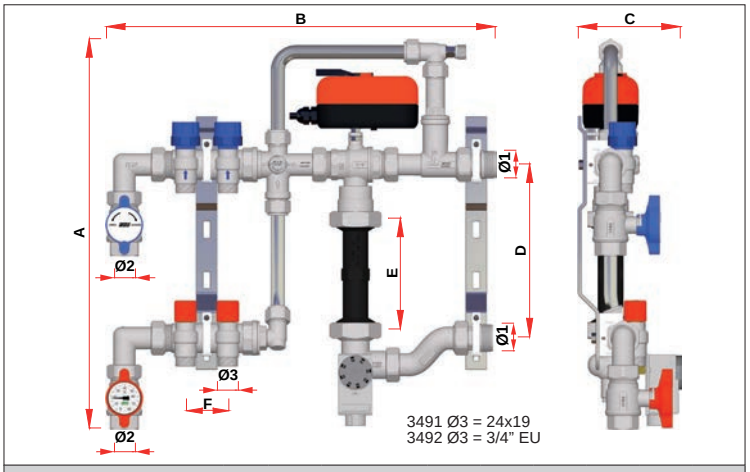
ART. 3477-3489

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3477 102-3489 13402	1"	3/4"	24x19-3/4"	432	452	121	206	130	50
3477 103-3489 13403	1"	3/4"	24x19-3/4"	432	502	121	206	130	50
3477 104-3489 13404	1"	3/4"	24x19-3/4"	432	552	121	206	130	50
3477 105-3489 13405	1"	3/4"	24x19-3/4"	432	603	121	206	130	50



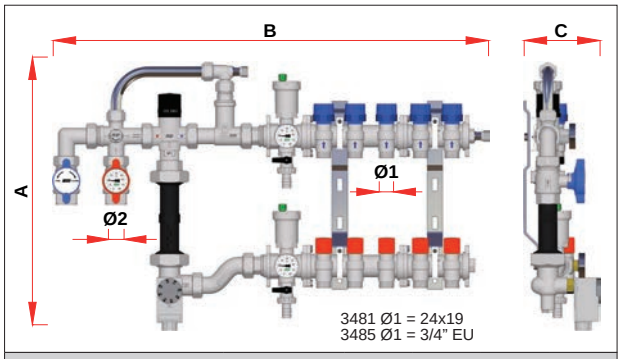
ART. 3490

CODE	Ø1	Ø2	A	B	C	D	E	F
3490 110	1"	3/4"	458	358	115	206	130	79



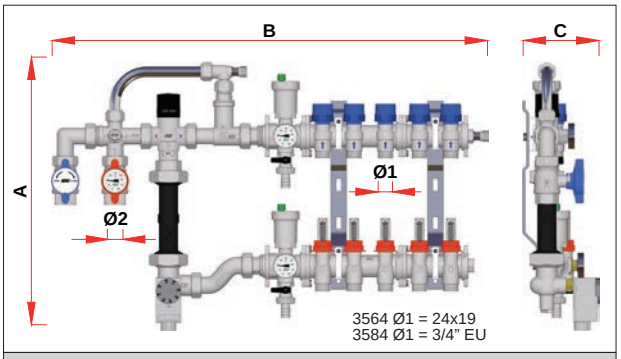
ART. 3491-3492

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3491 10210-3492 1340210	1"	3/4"	24x19-3/4"	462	460	120	206	130	50
3491 10310-3492 1340310	1"	3/4"	24x19-3/4"	462	510	120	206	130	50
3491 10410-3492 1340410	1"	3/4"	24x19-3/4"	462	560	120	206	130	50
3491 10510-3492 1340510	1"	3/4"	24x19-3/4"	462	611	120	206	130	50



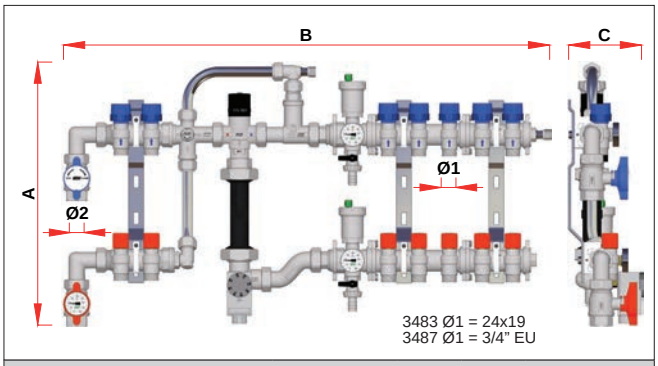
ART. 3481-3485

CODE	Ø1	Ø2	A	B	C
3481 103-3485 13403	24x19-3/4"	3/4"	428	591	121
3481 104 3485 13404	24x19-3/4"	3/4"	428	641	121
3481 105-3485 13405	24x19-3/4"	3/4"	428	695	121
3481 106-3485 13406	24x19-3/4"	3/4"	428	745	121
3481 107-3485 13407	24x19-3/4"	3/4"	428	795	121
3481 108-3485 13408	24x19-3/4"	3/4"	428	845	121
3481 109-3485 13409	24x19-3/4"	3/4"	428	899	121
3481 110-3485 13410	24x19-3/4"	3/4"	428	949	121
3481 111-3485 13411	24x19-3/4"	3/4"	428	999	121
3481 112-3485 13412	24x19-3/4"	3/4"	428	1049	121



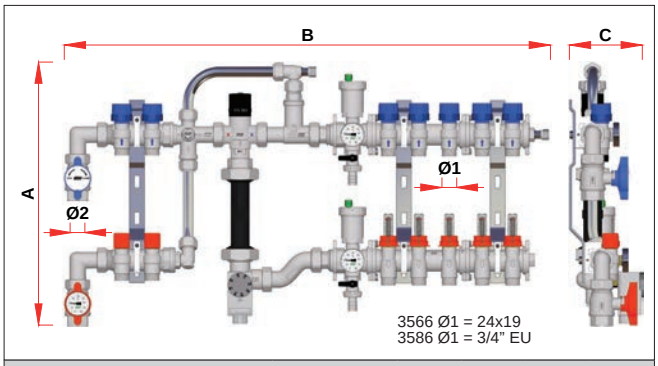
ART. 3564-3584

CODE	Ø1	Ø2	A	B	C
3564 103-3584 13403	24x19-3/4"	3/4"	428	591	121
3564 104-3584 13404	24x19-3/4"	3/4"	428	641	121
3564 105-3584 13405	24x19-3/4"	3/4"	428	695	121
3564 106-3584 13406	24x19-3/4"	3/4"	428	745	121
3564 107-3584 13407	24x19-3/4"	3/4"	428	795	121
3564 108-3584 13408	24x19-3/4"	3/4"	428	845	121
3564 109-3584 13409	24x19-3/4"	3/4"	428	899	121
3564 110-3584 13410	24x19-3/4"	3/4"	428	949	121
3564 111-3584 13411	24x19-3/4"	3/4"	428	999	121
3564 112-3584 13412	24x19-3/4"	3/4"	428	1049	121



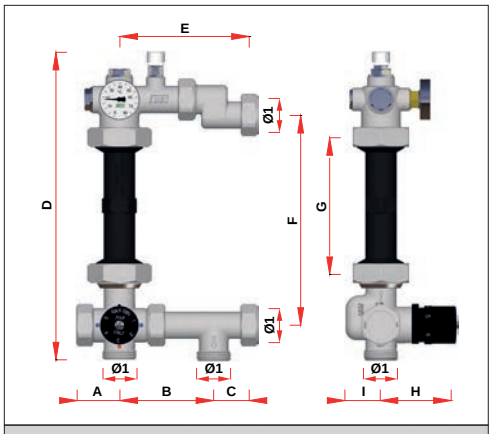
ART. 3483-3487

CODE	Ø1	Ø2	A	B	C
3483 10302-3487 1340302	24x19-3/4"	3/4"	432	694	121
3483 10402-3487 1340402	24x19-3/4"	3/4"	432	744	121
3483 10502-3487 1340502	24x19-3/4"	3/4"	432	798	121
3483 10602-3487 1340602	24x19-3/4"	3/4"	432	848	121
3483 10702-3487 1340702	24x19-3/4"	3/4"	432	898	121
3483 10802-3487 1340802	24x19-3/4"	3/4"	432	948	121
3483 10902-3487 1340902	24x19-3/4"	3/4"	432	1002	121
3483 11002-3487 1341002	24x19-3/4"	3/4"	432	1052	121
3483 11102-3487 1341102	24x19-3/4"	3/4"	432	1102	121
3483 10303-3487 1340303	24x19-3/4"	3/4"	432	744	121
3483 10403-3487 1340403	24x19-3/4"	3/4"	432	794	121
3483 10503-3487 1340503	24x19-3/4"	3/4"	432	848	121
3483 10603-3487 1340603	24x19-3/4"	3/4"	432	898	121
3483 10703-3487 1340703	24x19-3/4"	3/4"	432	948	121
3483 10803-3487 1340803	24x19-3/4"	3/4"	432	998	121
3483 10903-3487 1340903	24x19-3/4"	3/4"	432	1052	121
3483 11003-3487 1341003	24x19-3/4"	3/4"	432	1102	121



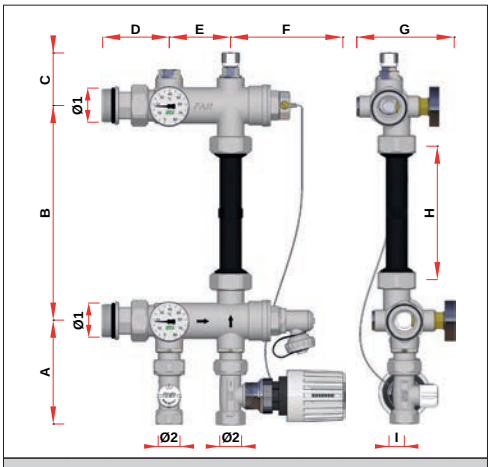
ART. 3566-3586

CODE	Ø1	Ø2	A	B	C
3566 10302-3586 1340302	24x19-3/4"	3/4"	432	694	121
3566 10402-3586 1340402	24x19-3/4"	3/4"	432	744	121
3566 10502-3586 1340502	24x19-3/4"	3/4"	432	798	121
3566 10602-3586 1340602	24x19-3/4"	3/4"	432	848	121
3566 10702-3586 1340702	24x19-3/4"	3/4"	432	898	121
3566 10802-3586 1340802	24x19-3/4"	3/4"	432	948	121
3566 10902-3586 1340902	24x19-3/4"	3/4"	432	1002	121
3566 11002-3586 1341002	24x19-3/4"	3/4"	432	1052	121
3566 11102-3586 1341102	24x19-3/4"	3/4"	432	1102	121
3566 10303-3586 1340303	24x19-3/4"	3/4"	432	744	121
3566 10403-3586 1340403	24x19-3/4"	3/4"	432	794	121
3566 10503-3586 1340503	24x19-3/4"	3/4"	432	848	121
3566 10603-3586 1340603	24x19-3/4"	3/4"	432	898	121
3566 10703-3586 1340703	24x19-3/4"	3/4"	432	948	121
3566 10803-3586 1340803	24x19-3/4"	3/4"	432	998	121
3566 10903-3586 1340903	24x19-3/4"	3/4"	432	1052	121
3566 11003-3586 1341003	24x19-3/4"	3/4"	432	1102	121



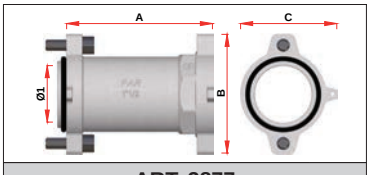
ART. 3493

CODE	Ø1	A	B	C	D	E	F	G	H	I
3493 1	1"	41	91	36	302	127	204-234	130	69	34



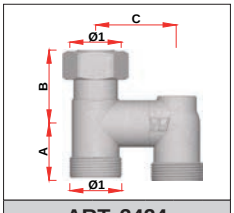
ART. 3497

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I
3497 1	1"	1/2"	102	210	52	66	60	111	96	130	15



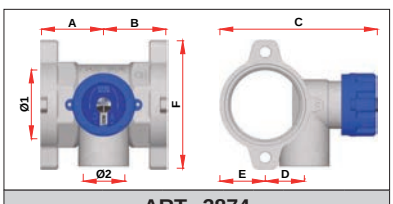
ART. 3877

CODE	Ø1	A	B	C
3877 114	1"1/4	100	75	59
3877 112	1"1/2	100	82	66
3877 2	2"	100	94	78



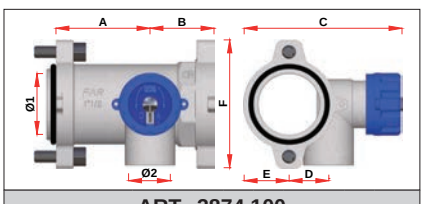
ART. 3424

CODE	Ø1	A	B	C
3424	24x19	26	34	37



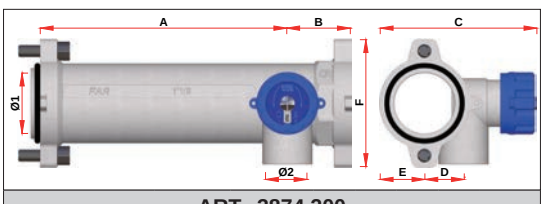
ART. 3874

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412	1"1/4	35	35	95	25	26	75	1/2"
3874 11212	1"1/2	40	40	102	25	29	82	1/2"
3874 11234	1"1/2	40	40	102	25	29	82	3/4"
3874 21	2"	49	49	113	27	35	94	1"



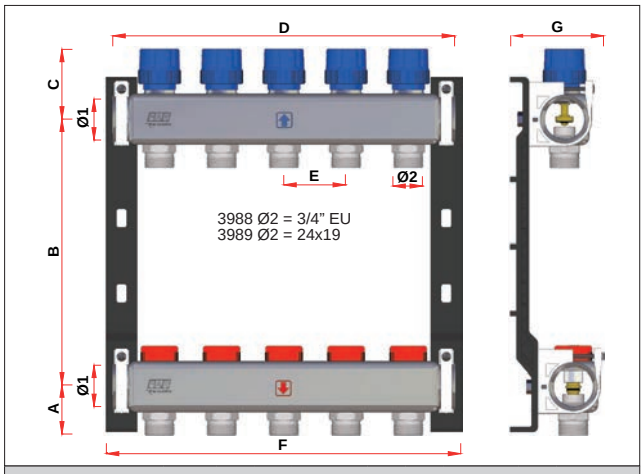
ART. 3874 100

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412100	1"1/4	66	35	95	25	25	75	1/2"
3874 11212100	1"1/2	60	41	102	25	29	82	1/2"
3874 11234100	1"1/2	60	41	102	25	29	82	3/4"
3874 21100	2"	49	51	113	27	35	94	1"



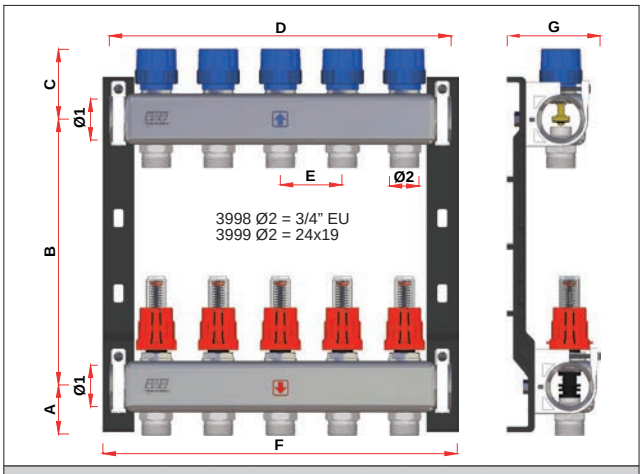
ART. 3874 200

CODE	Ø1	A	B	C	D	E	F	Ø2
3874 11412200	1"1/4	165	35	95	25	25	75	1/2"
3874 11212200	1"1/2	159	41	102	25	29	82	1/2"
3874 11234200	1"1/2	159	41	102	25	29	82	3/4"
3874 21200	2"	149	51	113	27	35	94	1"



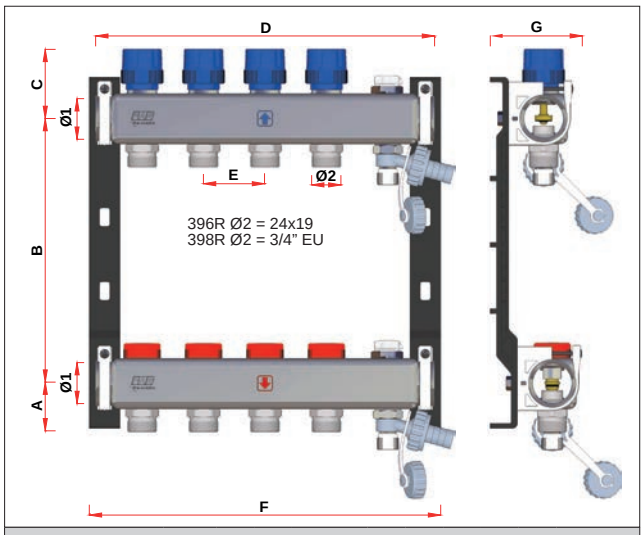
ART. 3988-3989

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3988 103-3989 103	3	1"	39	215-225	57	176	50	186	75	3/4"-24x19
3988 104-3989 104	4	1"	39	215-225	57	226	50	236	75	3/4"-24x19
3988 105-3989 105	5	1"	39	215-225	57	276	50	286	75	3/4"-24x19
3988 106-3989 106	6	1"	39	215-225	57	326	50	336	75	3/4"-24x19
3988 107-3989 107	7	1"	39	215-225	57	376	50	386	75	3/4"-24x19
3988 108-3989 108	8	1"	39	215-225	57	426	50	436	75	3/4"-24x19
3988 109-3989 109	9	1"	39	215-225	57	476	50	486	75	3/4"-24x19
3988 110-3989 110	10	1"	39	215-225	57	526	50	536	75	3/4"-24x19
3988 111-3989 111	11	1"	39	215-225	57	576	50	586	75	3/4"-24x19
3988 112-3989 112	12	1"	39	215-225	57	626	50	636	75	3/4"-24x19
3988 113-3989 113	13	1"	39	215-225	57	676	50	686	75	3/4"-24x19



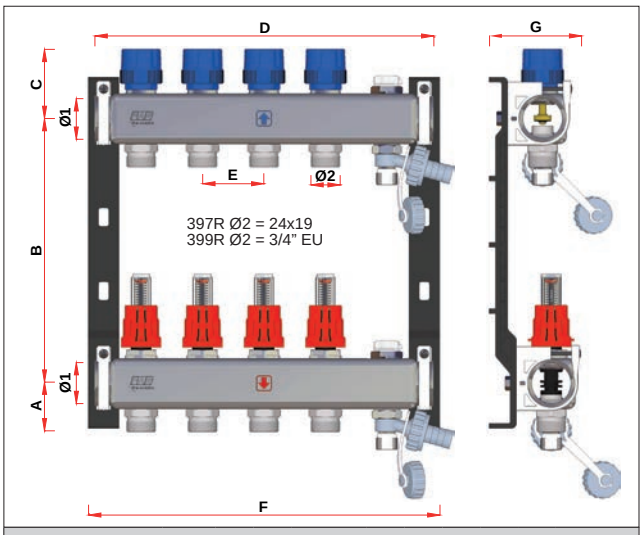
ART. 3998-3999

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
3998 103-3999 103	3	1"	39	215-225	57	176	50	186	75	3/4"-24x19
3998 104-3999 104	4	1"	39	215-225	57	226	50	236	75	3/4"-24x19
3998 105-3999 105	5	1"	39	215-225	57	276	50	286	75	3/4"-24x19
3998 106-3999 106	6	1"	39	215-225	57	326	50	336	75	3/4"-24x19
3998 107-3999 107	7	1"	39	215-225	57	376	50	386	75	3/4"-24x19
3998 108-3999 108	8	1"	39	215-225	57	426	50	436	75	3/4"-24x19
3998 109-3999 109	9	1"	39	215-225	57	476	50	486	75	3/4"-24x19
3998 110-3999 110	10	1"	39	215-225	57	526	50	536	75	3/4"-24x19
3998 111-3999 111	11	1"	39	215-225	57	576	50	586	75	3/4"-24x19
3998 112-3999 112	12	1"	39	215-225	57	626	50	636	75	3/4"-24x19
3998 113-3999 113	13	1"	39	215-225	57	676	50	686	75	3/4"-24x19



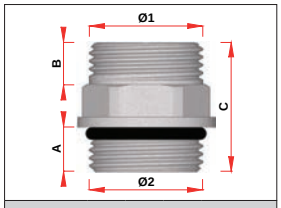
ART. 396R-398R

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
396R 102-398R 102	2	1"	39	215-225	57	176	50	186	75	24x19-3/4"
396R 103-398R 102	3	1"	39	215-225	57	226	50	236	75	24x19-3/4"
396R 104-398R 104	4	1"	39	215-225	57	276	50	286	75	24x19-3/4"
396R 105-398R 105	5	1"	39	215-225	57	326	50	336	75	24x19-3/4"
396R 106-398R 106	6	1"	39	215-225	57	376	50	386	75	24x19-3/4"
396R 107-398R 107	7	1"	39	215-225	57	426	50	436	75	24x19-3/4"
396R 108-398R 108	8	1"	39	215-225	57	476	50	486	75	24x19-3/4"
396R 109-398R 109	9	1"	39	215-225	57	526	50	536	75	24x19-3/4"
396R 110-398R 110	10	1"	39	215-225	57	576	50	586	75	24x19-3/4"
396R 111-398R 111	11	1"	39	215-225	57	626	50	636	75	24x19-3/4"
396R 112-398R 112	12	1"	39	215-225	57	676	50	686	75	24x19-3/4"



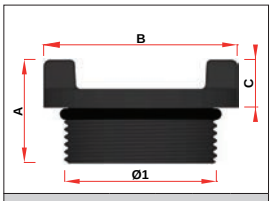
ART. 397R-399R

CODE	PORTS	Ø1	A	B	C	D	E	F	G	Ø2
397R 102-399R 102	2	1"	39	215-225	57	176	50	186	75	24x19-3/4"
397R 103-399R 102	3	1"	39	215-225	57	226	50	236	75	24x19-3/4"
397R 104-399R 104	4	1"	39	215-225	57	276	50	286	75	24x19-3/4"
397R 105-399R 105	5	1"	39	215-225	57	326	50	336	75	24x19-3/4"
397R 106-399R 106	6	1"	39	215-225	57	376	50	386	75	24x19-3/4"
397R 107-399R 107	7	1"	39	215-225	57	426	50	436	75	24x19-3/4"
397R 108-399R 108	8	1"	39	215-225	57	476	50	486	75	24x19-3/4"
397R 109-399R 109	9	1"	39	215-225	57	526	50	536	75	24x19-3/4"
397R 110-399R 110	10	1"	39	215-225	57	576	50	586	75	24x19-3/4"
397R 111-399R 111	11	1"	39	215-225	57	626	50	636	75	24x19-3/4"
397R 112-399R 112	12	1"	39	215-225	57	676	50	686	75	24x19-3/4"



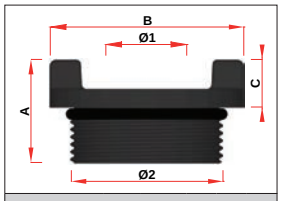
ART. 4304

CODE	Ø1	Ø2	A	B	C
4304 1	1"	1"	13	11	38



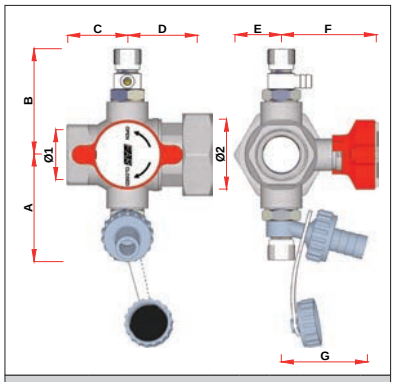
ART. 4103

CODE	Ø1	A	B	C
4103 112	1"1/2	32	60	15



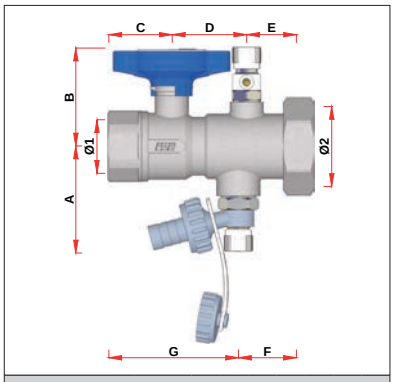
ART. 4104

CODE	Ø1	Ø2	A	B	C
4104 11234	3/4"	1"1/2	32	60	15



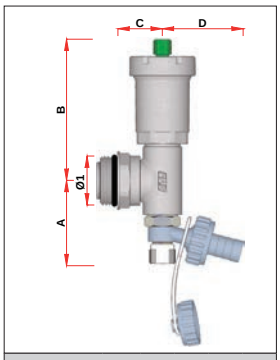
ART. 307B

CODE	Ø1	Ø2	A	B	C	D	E	F	G
307B 1BC	1"	1"1/2	68	67	38	47	30	60	55
307B 1RC	1"	1"1/2	68	67	38	47	30	60	55



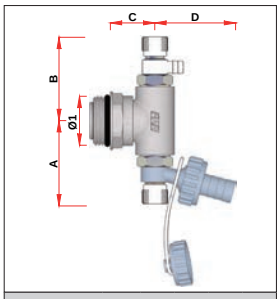
ART. 307G

CODE	Ø1	Ø2	A	B	C	D	E	F	G
307G 1112	G1	G1 1/2	65	59	38	45	34	39	78



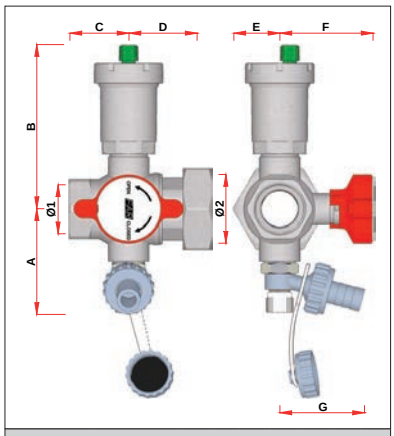
ART. 4072

CODE	Ø1	A	B	C	D
4072 112	1"	58	95	30	55



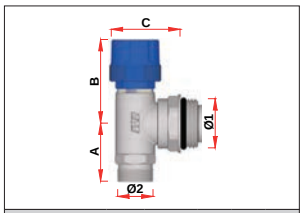
ART. 4073

CODE	Ø1	A	B	C	D
4073 112	1"	58	57	30	55



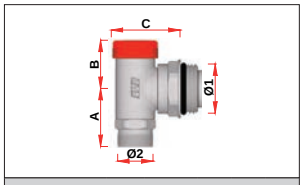
ART. 307C

CODE	Ø1	Ø2	A	B	C	D	E	F	G
307C 1BC	1"	1"1/2	106	67	38	47	30	60	55
307C 1RC	1"	1"1/2	106	67	38	47	30	60	55



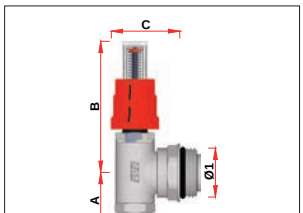
ART. 342V

CODE	Ø1	Ø2	A	B	C
342V 12419	1"	24x19	39	56	47
342V 134EU	1"	3/4"	39	56	47



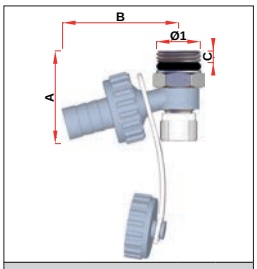
ART. 342D

CODE	Ø1	Ø2	A	B	C
342D 12419	1"	24x19	39	33	47
342D 134EU	1"	3/4"	39	33	47



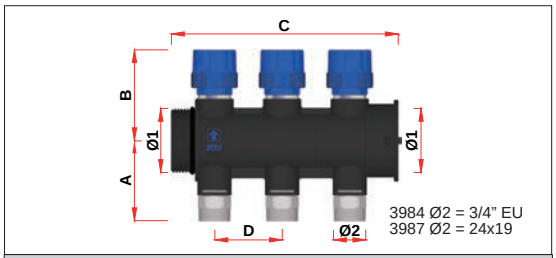
ART. 342F

CODE	Ø1	Ø2	A	B	C
342F 12419	1"	24x19	39	89	47
342F 134EU	1"	3/4"	39	89	47



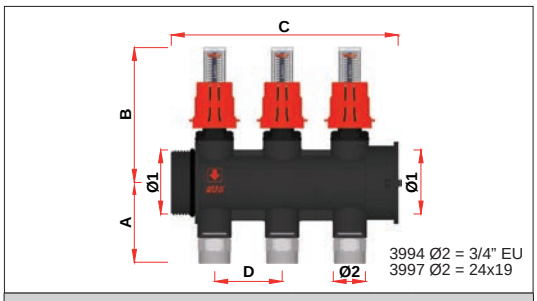
ART. 6016

CODE	Ø1	A	B	C
6016 12	1/2"	44	55	5



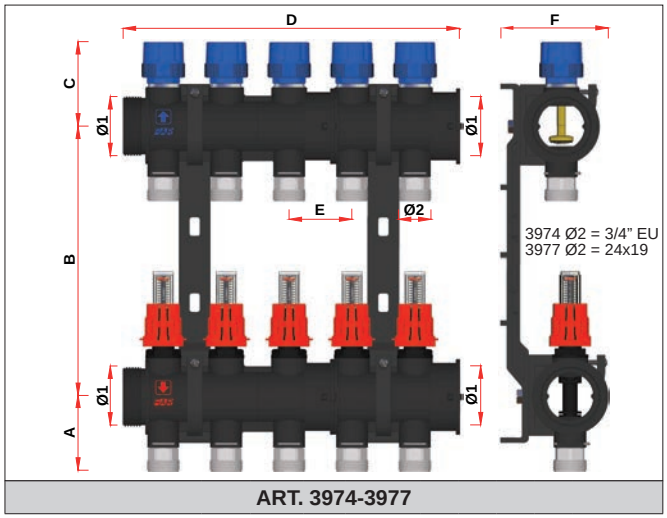
ART. 3984-3987

CODE	PORTS	Ø1	A	B	C	D	Ø2
3984 11202-3987 11202	2	1"1/2	60	57	118	50	3/4"-24x19
3984 11203-3987 11203	3	1"1/2	60	57	168	50	3/4"-24x19



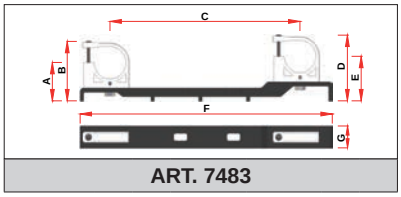
ART. 3994-3997

CODE	PORTS	Ø1	A	B	C	D	Ø2
3994 11202-3997 11202	2	1"1/2	60	100	118	50	3/4"-24x19
3994 11203-3997 11203	3	1"1/2	60	100	168	50	3/4"-24x19



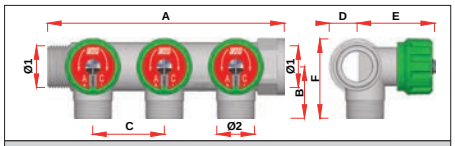
ART. 3974-3977

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3974 11203-3977 11203	3	1"1/2	60	215-225	67	168	50	85	3/4"-24x19
3974 11204-3977 11204	4	1"1/2	60	215-225	67	218	50	85	3/4"-24x19
3974 11205-3977 11205	5	1"1/2	60	215-225	67	268	50	85	3/4"-24x19
3974 11206-3977 11206	6	1"1/2	60	215-225	67	318	50	85	3/4"-24x19
3974 11207-3977 11207	7	1"1/2	60	215-225	67	368	50	85	3/4"-24x19
3974 11208-3977 11208	8	1"1/2	60	215-225	67	418	50	85	3/4"-24x19
3974 11209-3977 11209	9	1"1/2	60	215-225	67	468	50	85	3/4"-24x19
3974 11210-3977 11210	10	1"1/2	60	215-225	67	518	50	85	3/4"-24x19
3974 11211-3977 11211	11	1"1/2	60	215-225	67	568	50	85	3/4"-24x19
3974 11212-3977 11212	12	1"1/2	60	215-225	67	618	50	85	3/4"-24x19
3974 11213-3977 11213	13	1"1/2	60	215-225	67	668	50	85	3/4"-24x19



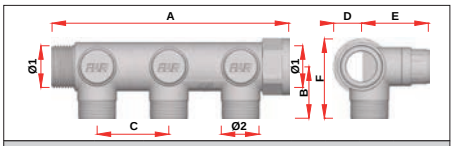
ART. 7483

CODE	A	B	C	D	E	F	G
7483 34	40	60	215-225	68	47	285	25
7483 1	43	68	215-225	75	50	285	25
7483 114	48	76	215-225	82	55	285	25



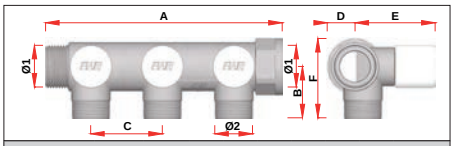
ART. 3825-3850-3856-3821-3822-3824

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3825 34	2	3/4"	104	32	45	18	49	50	24x19
3825 1	2	1"	108	36	45	21	51	56	24x19
3850 34	3	3/4"	149	32	45	18	49	50	24x19
3850 1	3	1"	153	36	45	21	51	56	24x19
3856 34	4	3/4"	194	32	45	18	49	50	24x19
3856 1	4	1"	198	36	45	21	51	56	24x19
3821 3412	2	3/4"	104	30	45	18	49	48	1/2"
3821 112	2	1"	108	33	45	21	51	53	1/2"
3821 134	2	1"	108	36	45	21	51	56	3/4"
3822 3412	3	3/4"	149	30	45	18	49	48	1/2"
3822 112	3	1"	153	33	45	21	51	53	1/2"
3822 134	3	1"	153	36	45	21	51	56	3/4"
3824 3412	4	3/4"	194	30	45	18	49	48	1/2"
3824 112	4	1"	198	33	45	21	51	53	1/2"
3824 134	4	1"	198	36	45	21	51	56	3/4"



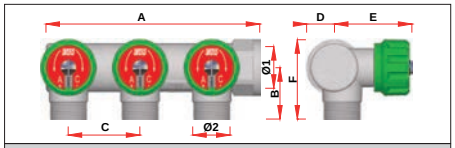
ART. 3875-3900-3906-3860-3870-3873

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3875 34	2	3/4"	104	32	45	18	42	50	24x19
3875 1	2	1"	108	36	45	21	44	56	24x19
3900 34	3	3/4"	149	32	45	18	42	50	24x19
3900 1	3	1"	153	36	45	21	44	56	24x19
3906 34	4	3/4"	194	32	45	18	42	50	24x19
3906 1	4	1"	198	36	45	21	44	56	24x19
3860 3412	2	3/4"	104	30	45	18	42	48	1/2"
3860 112	2	1"	108	33	45	21	44	53	1/2"
3860 134	2	1"	108	36	45	21	44	56	3/4"
3870 3412	3	3/4"	149	30	45	18	42	48	1/2"
3870 112	3	1"	153	33	45	21	44	53	1/2"
3870 134	3	1"	153	36	45	21	44	56	3/4"
3873 3412	4	3/4"	194	30	45	18	42	48	1/2"
3873 112	4	1"	198	33	45	21	44	53	1/2"
3873 134	4	1"	198	36	45	21	44	56	3/4"



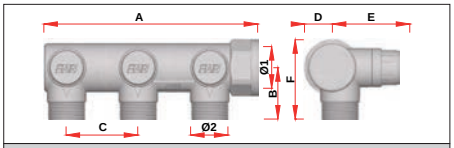
ART. 3878-3879

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3878 3402	2	3/4"	104	32	45	18	50	50	24x19
3878 102	2	1"	108	36	45	21	53	56	24x19
3878 3403	3	3/4"	149	32	45	18	50	50	24x19
3878 103	3	1"	153	36	45	21	53	56	24x19
3878 3404	4	3/4"	194	32	45	18	50	50	24x19
3878 104	4	1"	198	36	45	21	53	56	24x19
3879 341202	2	3/4"	104	30	45	18	50	48	1/2"
3879 11202	2	1"	108	33	45	21	53	53	1/2"
3879 13402	2	1"	108	36	45	21	53	56	3/4"
3879 341203	3	3/4"	149	30	45	18	50	48	1/2"
3879 11203	3	1"	153	33	45	21	53	53	1/2"
3879 13403	3	1"	153	36	45	21	53	56	3/4"
3879 341204	4	3/4"	194	30	45	18	50	48	1/2"
3879 11204	4	1"	198	33	45	21	53	53	1/2"
3879 13404	4	1"	198	36	45	21	53	56	3/4"



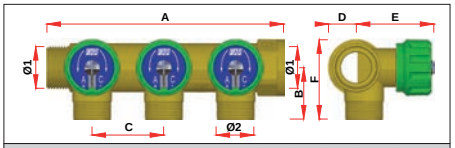
ART. 3826-3851-3818-3819

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3826 34	2	3/4"	90	32	45	18	49	50	24x19
3851 34	3	3/4"	135	32	45	18	49	50	24x19
3818 3412	2	3/4"	90	30	45	18	49	48	1/2"
3819 3412	3	3/4"	135	30	45	18	49	48	1/2"



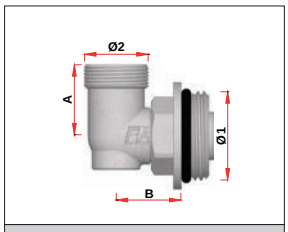
ART. 3876-3901-3859-3869

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3876 34	2	3/4"	90	32	45	18	42	50	24x19
3901 34	3	3/4"	135	32	45	18	42	50	24x19
3859 3412	2	3/4"	90	30	45	18	42	48	1/2"
3869 3412	3	3/4"	135	30	45	18	42	48	1/2"



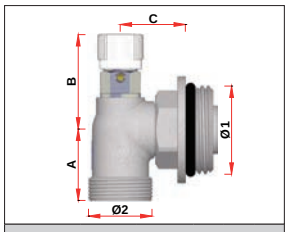
ART. 3834-3835-3837

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3834 34	2	3/4"	104	32	45	18	49	50	24x19
3834 1	2	1"	108	36	45	21	51	56	24x19
3835 34	3	3/4"	149	32	45	18	49	50	24x19
3835 1	3	1"	153	36	45	21	51	56	24x19
3837 34	4	3/4	194	32	45	18	49	50	24x19
3837 1	4	1"	198	36	45	21	51	56	24x19



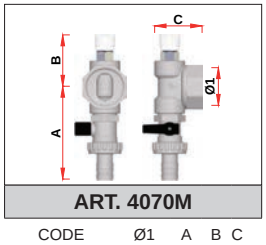
ART. 3421

CODE	Ø1	Ø2	A	B
3421 34	3/4"	24x19	27	24
3421 1	1"	24x19	27	24
3421 114	1 1/4"	24x19	27	25



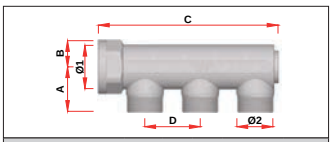
ART. 3420

CODE	Ø1	Ø2	A	B	C
3420 34	3/4"	24x19	27	36	24
3420 1	1"	24x19	27	36	24
3420 114	1 1/4"	24x19	27	36	25



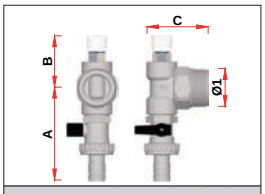
ART. 4070M

CODE	Ø1	A	B	C
4070 M3438	3/4"	80	45	40
4070 M138	1"	80	47	41
4070 M11438	1"1/4	86	50	42
4070 M11238	1"1/2	91	56	43



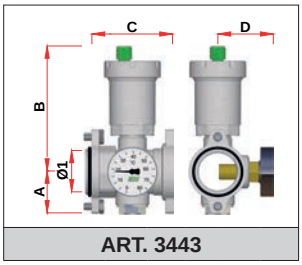
ART. 3000-3050-3100

CODE	PORTS	Ø1	A	B	C	D	Ø2
3000 34	2	3/4"	30	18	82	36	24x19
3000 1	2	1"	33	21	83	36	24x19
3050 34	3	3/4"	30	18	118	36	24x19
3050 1	3	1"	33	21	119	36	24x19
3100 34	4	3/4"	30	18	154	36	24x19
3100 1	4	1"	33	21	155	36	24x19



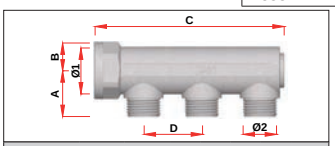
ART. 4071M

CODE	Ø1	A	B	C
4071 M3438	3/4"	80	45	51
4071 M138	1"	80	47	53
4071 M11438	1"1/4	86	50	57
4071 M11238	1"1/2	86	90	59



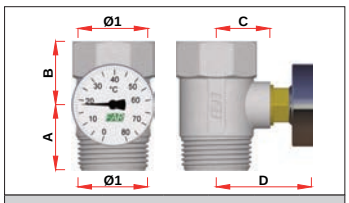
ART. 3443

CODE	Ø1	A	B	C	D
3443 1	1"	34	99	64	43



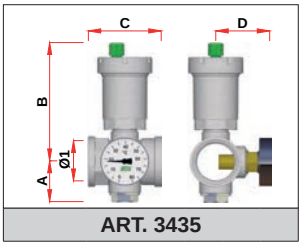
ART. 3175-3225-3275

CODE	PORTS	Ø1	A	B	C	D	Ø2
3175 34	2	3/4"	29	18	82	36	1/2"
3175 1	2	1"	32	21	83	36	1/2"
3225 34	3	3/4"	29	18	118	36	1/2"
3225 1	3	1"	32	21	119	36	1/2"
3275 34	4	3/4"	29	18	154	36	1/2"
3275 1	4	1"	32	21	155	36	1/2"



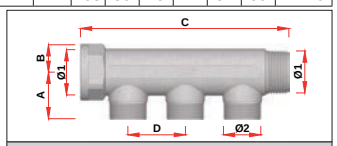
ART. 3431-3432

CODE	Ø1	A	B	C	D
3431	1"	31	30	23	-
3432	1"	31	30	23	46



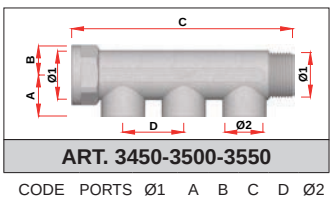
ART. 3435

CODE	Ø1	A	B	C	D
3435 34	3/4"	31	95	59	38
3435 1	1"	34	97	60	43
3435 114	1"1/4	39	102	65	50
3435 112	1"1/2	42	106	72	52



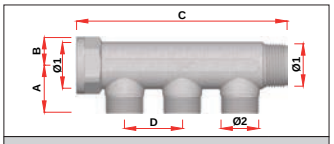
ART. 3300-3350-3400

CODE	PORTS	Ø1	A	B	C	D	Ø2
3300 34	2	3/4"	30	18	96	36	24x19
3300 1	2	1"	33	21	98	36	24x19
3350 34	3	3/4"	30	18	132	36	24x19
3350 1	3	1"	33	21	134	36	24x19
3400 34	4	3/4"	30	18	168	36	24x19
3400 1	4	1"	33	21	170	36	24x19



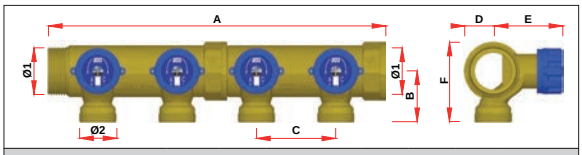
ART. 3450-3500-3550

CODE	PORTS	Ø1	A	B	C	D	Ø2
3450 34	2	3/4"	25	18	96	36	1/2"
3500 34	3	3/4"	25	18	132	36	1/2"
3500 1	3	1"	27	21	133	36	1/2"
3550 34	4	3/4"	25	18	168	36	1/2"
3550 1	4	1"	27	21	169	36	1/2"



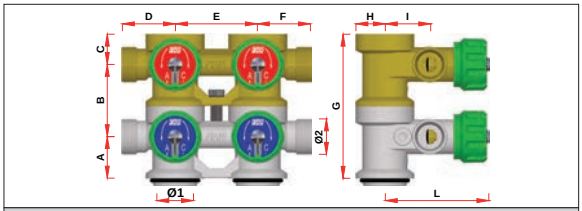
ART. 3475-3525-3575

CODE	PORTS	Ø1	A	B	C	D	Ø2
3475 34	2	3/4"	29	18	90	36	1/2"
3475 1	2	1"	32	21	95	36	1/2"
3525 34	3	3/4"	29	18	126	36	1/2"
3525 1	3	1"	32	21	131	36	1/2"
3575 34	4	3/4"	29	18	162	36	1/2"
3575 1	4	1"	32	21	167	36	1/2"



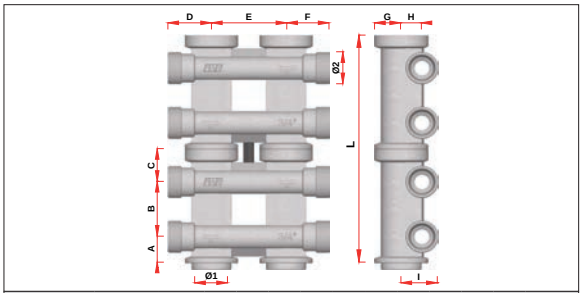
ART. 3827

CODE	PORTS	Ø1	A	B	C	D	E	F	Ø2
3827 11402	2	1”1/4	158	45	70	26	61	70	M33x1,5
3827 11403	3	1”1/4	228	45	70	26	61	70	M33x1,5
3827 11404	4	1”1/4	300	45	70	26	61	70	M33x1,5
3827 11405	5	1”1/4	370	45	70	26	61	70	M33x1,5
3827 11406	6	1”1/4	440	45	70	26	61	70	M33x1,5
3827 11407	7	1”1/4	512	45	70	26	61	70	M33x1,5
3827 11408	8	1”1/4	582	45	70	26	61	70	M33x1,5
3827 11409	9	1”1/4	652	45	70	26	61	70	M33x1,5
3827 11410	10	1”1/4	724	45	70	26	61	70	M33x1,5



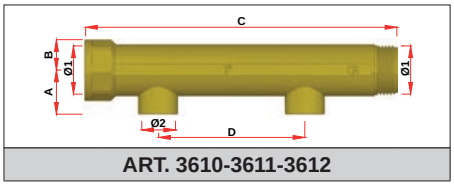
ART. 3754

CODE	PORTS	Ø1	A	B	C	D	E	F	G	H	I	L	Ø2
3754 3404	2+2	3/4”	28	49	20	36	55	36	97	20	30	70	24x19
3754 3406	3+3	3/4”	28	49	20	36	55	36	145	20	30	70	24x19
3754 3408	4+4	3/4”	28	49	20	36	55	36	194	20	30	70	24x19
3754 3410	5+5	3/4”	28	49	20	36	55	36	212	20	30	70	24x19
3754 3412	6+6	3/4”	28	49	20	36	55	36	290	20	30	70	24x19



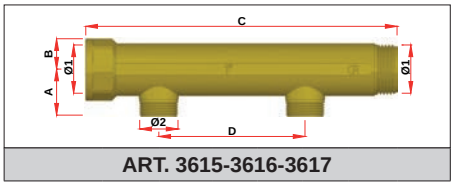
ART. 3751

CODE	PORTS	Ø1	A	B	C	D	E	F	G	H	I	L	Ø2
3751 3404	4+4	3/4”	20	40	24	32	55	32	20	15	27	167	24x19
3751 3406	6+6	3/4”	20	40	24	32	55	32	20	15	27	251	24x19
3751 3408	8+8	3/4”	20	40	24	32	55	32	20	15	27	335	24x19
3751 3410	10+10	3/4”	20	40	24	32	55	32	20	15	27	419	24x19
3751 104	4+4	1”	20	40	25	35	55	32	23	15	27	169	24x19
3751 106	6+6	1”	20	40	25	35	55	32	23	15	27	253	24x19
3751 180	8+8	1”	20	40	25	35	55	32	23	15	27	337	24x19
3751 110	10+10	1”	20	40	25	35	55	32	23	15	27	422	24x19



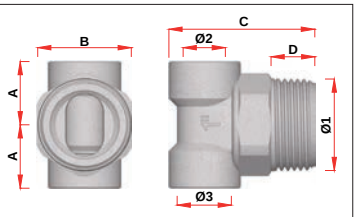
ART. 3610-3611-3612

CODE	PORTS	Ø1	A	B	C	D	Ø2
3610 112	1	1”	31	21	113	--	1/2”
3611 112	2	1”	31	21	213	100	1/2”
3611 11412	2	1”1/4	35	26	215	100	1/2”
3611 11434	2	1”1/4	34	26	215	100	3/4”
3611 11234	2	1”1/2	40	29	217	100	3/4”
3611 1121	2	1”1/2	40	29	217	100	1”
3611 234	2	2”	47	35	223	100	3/4”
3611 21	2	2”	47	35	223	100	1”
3612 112	3	1”	31	21	313	100	1/2”
3612 11412	3	1”1/4	35	26	315	100	1/2”
3612 11434	3	1”1/4	34	26	315	100	3/4”
3612 11234	3	1”1/2	40	29	317	100	3/4”
3612 1121	3	1”1/2	40	29	317	100	1”
3612 234	3	2”	47	35	323	100	3/4”
3612 21	3	2”	47	35	323	100	1”



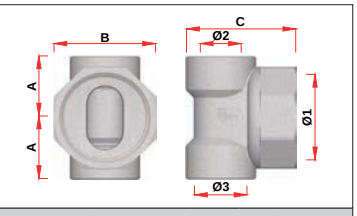
ART. 3615-3616-3617

CODE	PORTS	Ø1	A	B	C	D	Ø2
3615 134	1	1”	32	21	113	--	3/4”
3616 112	2	1”	32	21	213	100	1/2”
3616 134	2	1”	32	21	213	100	3/4”
3616 11434	2	1”1/4	36	26	215	100	3/4”
3616 1141	2	1”1/4	42	26	215	100	1”
3616 1121	2	1”1/2	46	29	217	100	1”
3616 21	2	2”	51	35	223	100	1”
3617 112	3	1”	32	21	313	100	1/2”
3617 134	3	1”	32	21	313	100	3/4”
3617 11434	3	1”1/4	36	26	315	100	3/4”
3617 114	3	1”1/4	42	26	315	100	1”
3617 1121	3	1”1/2	46	29	317	100	1”
3617 21	3	2”	51	35	323	100	1”



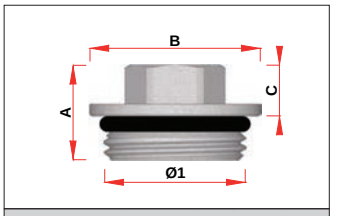
ART. 4061

CODE	Ø1	Ø2	Ø3	A	B	C	D
4061 3438	3/4”	3/8”	1/2”	22	22	27	14
4061 3412	3/4”	1/2”	1/2”	22	22	27	14
4061 138	1”	3/8”	1/2”	23	23	34	15
4061 112	1”	1/2”	1/2”	23	23	34	15
4061 11438	1”1/4	3/8”	1/2”	28	28	42	17
4061 11412	1”1/4	1/2”	1/2”	28	28	42	17
4061 11238	1”1/2	3/8”	1/2”	32	32	48	19
4061 11212	1”1/2	1/2”	1/2”	32	32	48	19



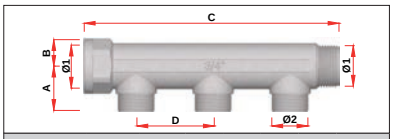
ART. 4060

CODE	Ø1	Ø2	Ø3	A	B	C
4060 3438	3/4”	3/8”	1/2”	23	32	39
4060 3412	3/4”	1/2”	1/2”	21	32	39
4060 138	1”	3/8”	1/2”	23	38	41
4060 112	1”	1/2”	1/2”	23	38	41
4060 11438	1”1/4	3/8”	1/2”	28	48	42
4060 11412	1”1/4	1/2”	1/2”	28	48	42
4060 11238	1”1/2	3/8”	1/2”	33	54	43
4060 11212	1”1/2	1/2”	1/2”	33	54	43



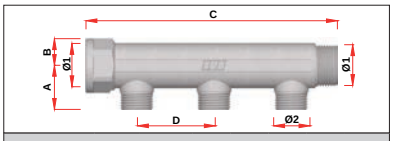
ART. 4150

CODE	Ø1	A	B	C
4150 34	3/4”	21	33	12
4150 1	1”	22	40	12
4150 114	1”1/4	30	50	18
4150 112	1”1/2	33	57	19
4150 2	2”	35	69	20



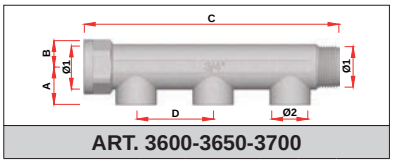
ART. 3401-3402-3403

CODE	PORTS	Ø1	A	B	C	D	Ø2
3401 34	2	3/4”	29	18	116	50	24x19
3401 1	2	1”	32	21	116	50	24x19
3401 114	2	1”1/4	38	26	119	50	24x19
3402 34	3	3/4”	29	18	166	50	24x19
3402 1	3	1”	32	21	166	50	24x19
3402 114	3	1”1/4	38	26	169	50	24x19
3403 34	4	3/4”	29	18	216	50	24x19
3403 1	4	1”	32	21	216	50	24x19
3403 114	4	1”1/4	38	26	219	50	24x19



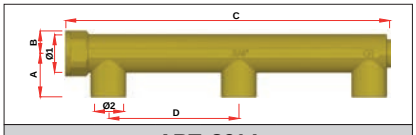
ART. 3625-3675-3725

CODE	PORTS	Ø1	A	B	C	D	Ø2
3625 3412	2	3/4”	30	18	113	50	1/2”
3625 112	2	1”	32	21	113	50	1/2”
3625 134	2	1”	32	21	116	50	3/4”
3625 11412	2	1”1/4	38	26	119	50	1/2”
3625 11434	2	1”1/4	38	26	119	50	3/4”
3675 3412	3	3/4”	30	18	163	50	1/2”
3675 112	3	1”	32	21	163	50	1/2”
3675 134	3	1”	32	21	166	50	3/4”
3675 11412	3	1”1/4	38	26	169	50	1/2”
3675 11434	3	1”1/4	38	26	169	50	3/4”
3725 3412	4	3/4”	30	18	213	50	1/2”
3725 112	4	1”	32	21	213	50	1/2”
3725 134	4	1”	32	21	216	50	3/4”
3725 11412	4	1”1/4	38	26	219	50	1/2”
3725 11434	4	1”1/4	38	26	219	50	3/4”



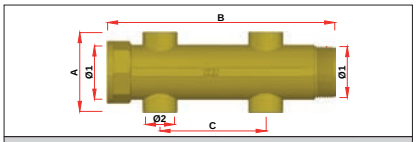
ART. 3600-3650-3700

CODE	PORTS	Ø1	A	B	C	D	Ø2
3600 34	2	3/4”	25	18	116	50	1/2”
3600 1	2	1”	27	21	116	50	1/2”
3600 114	2	1”1/4	33	26	119	50	1/2”
3650 34	3	3/4”	25	18	166	50	1/2”
3650 1	3	1”	27	21	166	50	1/2”
3650 114	3	1”1/4	33	26	169	50	1/2”
3700 34	4	3/4”	25	18	216	50	1/2”
3700 1	4	1”	27	21	216	50	1/2”
3700 114	4	1”1/4	33	26	219	50	1/2”



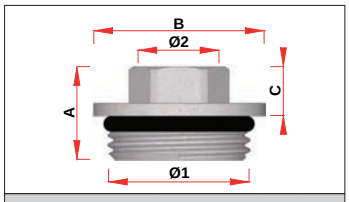
ART. 3614

CODE	PORTS	Ø1	A	B	C	D	Ø2
3614 3412	3	3/4”	35	17	250	100	1/2”



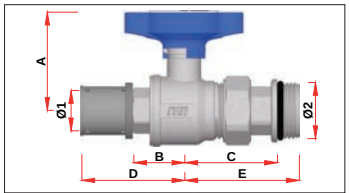
ART. 3618-3619-3620

CODE	PORTS	Ø1	A	B	C	Ø2
3618 11212	2	1”1/2	75	117	--	1/2”
3618 11234	2	1”1/2	73	117	--	3/4”
3619 11212	4	1”1/2	75	217	100	1/2”
3619 11234	4	1”1/2	73	217	100	3/4”
3620 11212	6	1”1/2	75	317	100	1/2”
3620 11234	6	1”1/2	73	317	100	3/4”



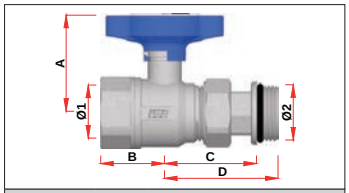
ART. 4200

CODE	Ø1	Ø2	A	B	C
4200 3414	3/4”	1/4”	21	33	11
4200 3438	3/4”	3/8”	21	33	11
4200 3412	3/4”	1/2”	21	33	12
4200 114	1”	1/4”	22	40	11
4200 138	1”	3/8”	22	40	11
4200 112	1”	1/2”	22	40	12
4200 134	1”	3/4”	26	40	16
4200 11412	1”1/4	1/2”	27	50	12
4200 11434	1”1/4	3/4”	26	50	14
4200 1141	1”1/4	1”	26	50	14
4200 1121	1”1/2	1”	28	57	14
4200 21	2”	1”	30	69	15



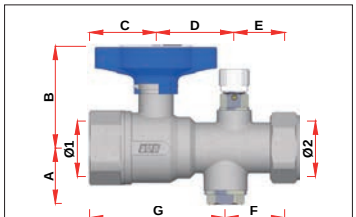
ART. 5948-5949

CODE	Ø1	Ø2	A	B	C	D	E
59482601	26x3	1”	59	34	55	61	68
59482602	26x3	1”	59	34	55	61	68
59483201	32x3	1”	59	34	55	61	68
59483202	32x3	1”	59	34	55	61	68
59492601	26x3	1”	59	34	55	61	68
59492602	26x3	1”	59	34	55	61	68
59493201	32x3	1”	59	34	55	61	68
59493202	32x3	1”	59	34	55	61	68



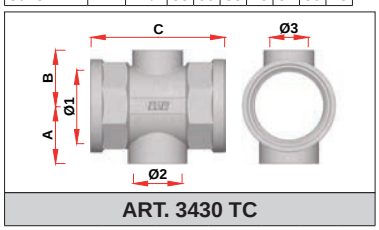
ART. 3057-3058

CODE	Ø1	Ø2	A	B	C	D
3057 1	1”	1”	59	38	55	68
3058 1	1”	1”	59	38	55	68



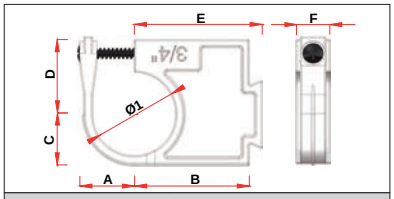
ART. 3078

CODE	Ø1	Ø2	A	B	C	D	E	F	G
3078 11	1”	1”	33	59	38	45	31	36	78
3078 1112	1”	1”1/2	38	59	38	45	34	39	78



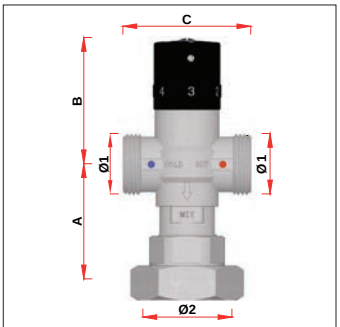
ART. 3430 TC

CODE	Ø1	Ø2	Ø3	A	B	C
3430 34TC	3/4”	1/2”	3/8”	23	23	59
3430 1TC	1”	1/2”	3/8”	26	25	59



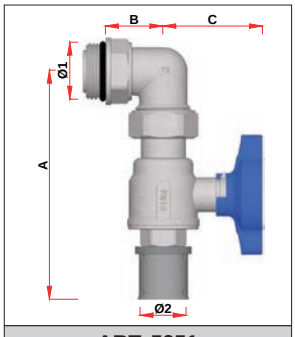
ART. 7551

CODE	Ø1	A	B	C	D	E	F
7551 34A	3/4”	20	42	19	27	47	12
7551 1A	1”	22	45	22	30	50	12
7551 114A	1”1/4	27	49	26	34	54	12
7551 34B	3/4”	20	22	19	27	27	12
7551 1B	1”	22	26	22	30	31	12
7551 114B	1”1/4	27	31	26	34	36	12



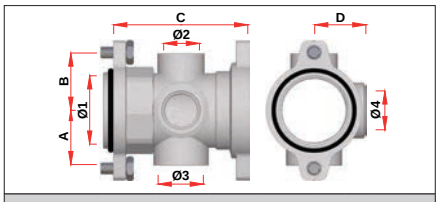
ART. 3951

CODE	Ø1	Ø2	A	B	C
3951 1	1”	1”1/2	66	75	70
3951 112	1”1/2	1”1/2	102	67	104



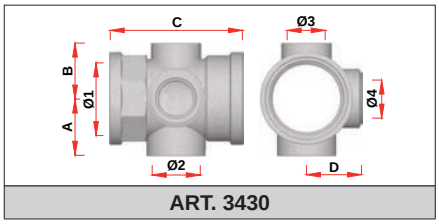
ART. 5951

CODE	Ø1	Ø2	A	B	C
59512601	1”	26x3	133	34	59
59512602	1”	26x3	133	34	59
59513201	1”	26x3	134	34	59
59513202	1”	26x3	134	34	59



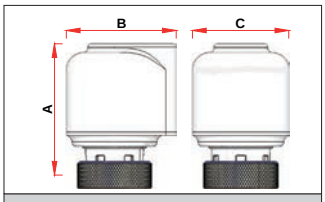
ART. 3441

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D
3441 1	1”	3/8”	1/2”	3/8”	26	27	64	25



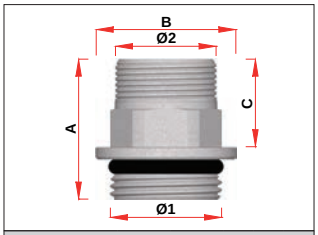
ART. 3430

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D
3430 34	3/4”	1/2”	3/8”	3/8”	23	23	59	18
3430 1	1”	1/2”	3/8”	3/8”	26	25	60	25
3430 114	1”1/4	1/2”	3/8”	3/8”	31	30	65	31



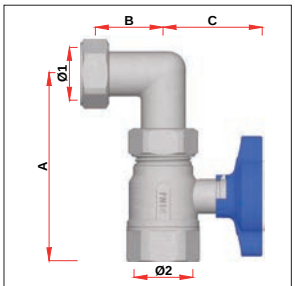
ART. 1909-1914

CODE	A	B	C
1909-1919-1929-1939	59	49	44
1914-1924-1913-1923	59	49	44



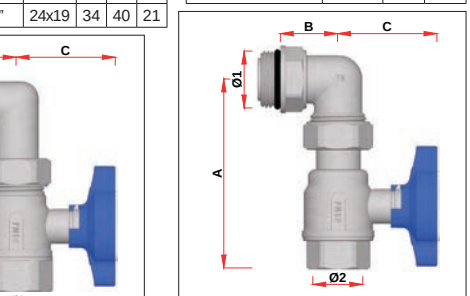
ART. 4299-4300

CODE	Ø1	Ø2	A	B	C
4299-4300 34	3/4”	24x19	33	33	21
4299-4300 1	1”	24x19	34	40	21



ART. 3064

CODE	Ø1	Ø2	A	B	C
3064 1	1”	1”	110	42	59

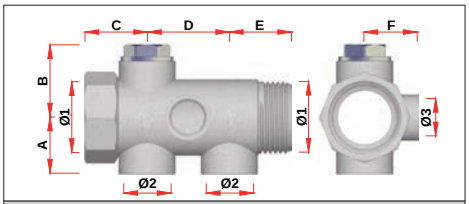


ART. 8881

CODE	Ø1	A	B
8881 3034EU	3/4”	66	95

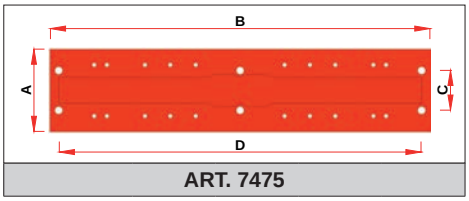
ART. 3062

CODE	Ø1	Ø2	A	B	C
3062 134	1”	3/4”	111	34	59
3062 1	1”	1”	111	34	59



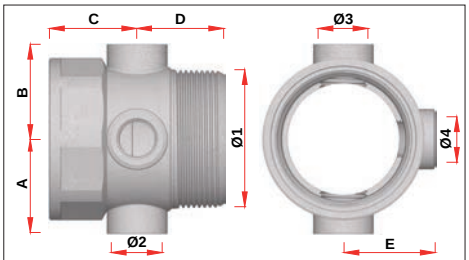
ART. 3440

CODE	Ø1	Ø2	Ø3	A	B	C	D	E	F
3440 1	1”	1/2”	3/8”	26	34	29	38	29	25



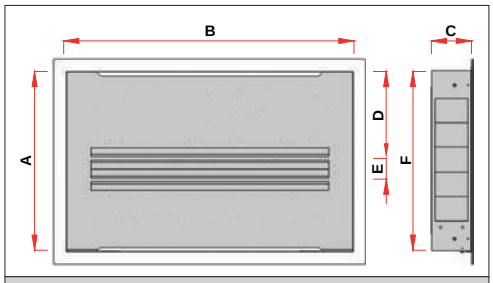
ART. 7475

CODE	A	B	C	D
7475	65	300	31	286



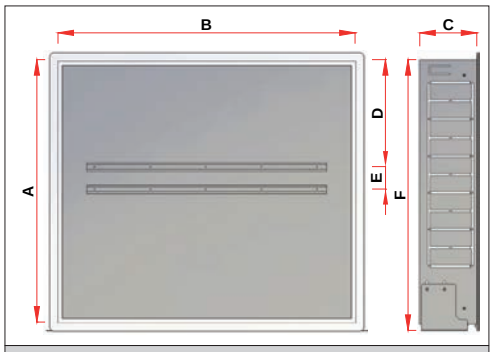
ART. 3452

CODE	Ø1	Ø2	Ø3	Ø4	A	B	C	D	E
3452 2	2”	1/2”	1/2”	3/8”	41	41	38	38	40



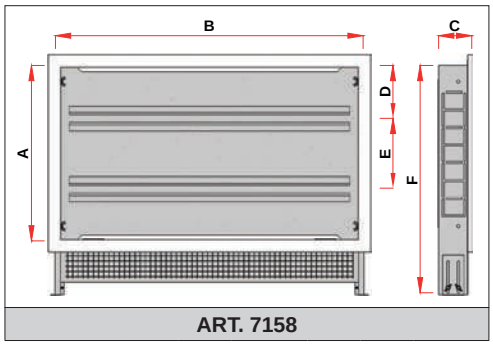
ART. 7148

CODE	A	B	C	D	E	F
7148 40	450	400	110-150	213	60	470
7148 50	450	500	110-150	213	60	470
7148 60	450	600	110-150	213	60	470
7148 80	450	800	110-150	213	60	470
7148 100	450	1000	110-150	213	60	470
7148 120	450	1200	110-150	213	60	470



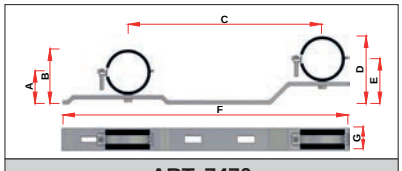
ART. 7165

CODE	A	B	C	D	E	F
7165 80	700	800	150-190	286	60	720-809
7165 100	700	1000	150-190	286	60	720-809
7165 120	700	1200	150-190	286	60	720-809



ART. 7158

CODE	A	B	C	D	E	F
7158 60	500	600	80-120	145	200	650-740
7158 85	500	850	80-120	145	200	650-740

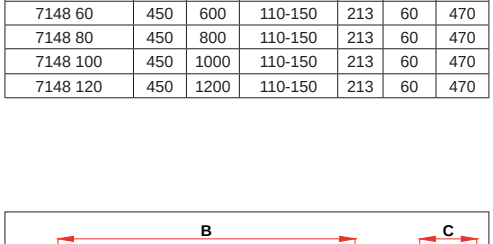


ART. 7470

CODE	A	B	C	D	E	F	G
7470 114	38	64	222	79	53	325	25
7470 112	42	71	222	86	57	325	25
7470 2	54	92	222	108	69	325	25

ART. 7149

CODE	A	B	C
7149 40	187-275	400	108
7149 50	187-275	500	108
7149 60	187-275	600	108
7149 80	187-275	800	108
7149 100	187-275	1000	108
7149 120	187-275	1200	108



ART. 7553

CODE	Ø1	A	B	C	D	E
7553 1	35	23	26	32	49	43

ART. 7150

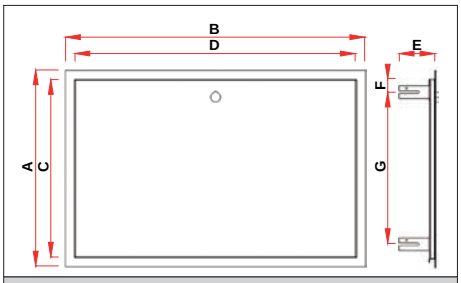
CODE	A	B	C	D
7150 40	450	400	110-150	454
7150 50	450	500	110-150	454
7150 60	450	600	110-150	454
7150 80	450	800	110-150	454
7150 100	450	1000	110-150	454
7150 120	450	1200	110-150	454

ART. 6142

CODE	A	B	C
6142 300	280	330	11
6142 400	280	420	11
6142 480	280	515	11

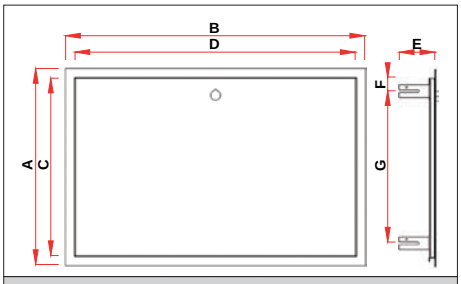
ART. 7480

CODE	A	B	C	D	E	F	G
7480 34	36	55	206-269	70	50	325	25
7480 1	39	61	206-269	76	54	325	25
7480 114	43	70	206-269	85	58	325	25



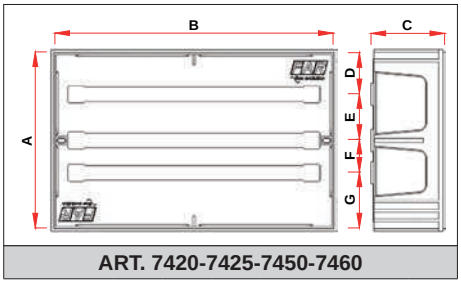
ART. 7152

CODE	A	B	C	D	E	F	G
7152 40	490	440	445	390	90	35	380
7152 60	490	640	445	590	90	35	380
7152 80	490	840	445	790	90	35	380
7152 100	490	1040	445	990	90	35	380
7152 120	490	1240	445	1190	90	35	380



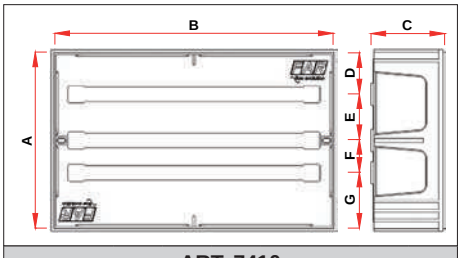
ART. 7166

CODE	A	B	C	D	E	F	G
7166 80	650	840	600	786	101	40	545
7166 100	650	1040	600	986	101	40	545
7166 120	650	1240	600	1186	101	40	545



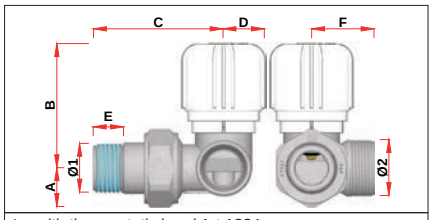
ART. 7420-7425-7450-7460

CODE	A	B	C	D	E	F	G
7420	250	300	95	58	65	45	78
7425	250	400	95	58	65	45	78
7450	250	480	95	58	65	45	78
7460	300	600	95	70	80	35	115



ART. 7410

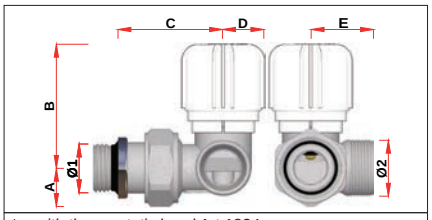
CODE	A	B	C	D	E	F	G
7410 50	410	500	105	90	110	60	140
7410 70	410	700	105	90	110	60	140
7410 90	410	900	105	90	110	60	140



* = with thermostatic head Art.1824

ART. 1616-1617

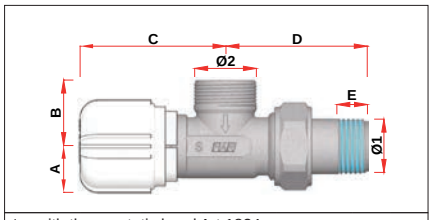
CODE	Ø1	Ø2	A	B	C	D	E	F
1616 38	3/8”	24x19	17	53 (101*)	53	18	10	27
1616 12	1/2”	24x19	17	53 (101*)	55	18	13	27
1617 38	3/8”	24x19	17	53 (101*)	53	18	10	27
1617 12	1/2”	24x19	17	53 (101*)	55	18	13	27



* = with thermostatic head Art.1824

ART. 1636-1637

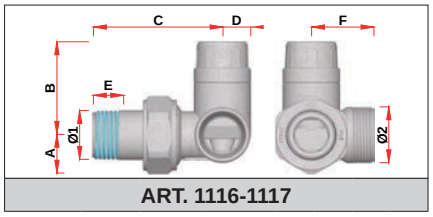
CODE	Ø1	Ø2	A	B	C	D	E
1636 38	3/8”	24x19	17	53 (101*)	44	18	27
1636 12	1/2”	24x19	17	53 (101*)	45	18	27
1637 38	3/8”	24x19	17	53 (101*)	44	18	27
1637 12	1/2”	24x19	17	53 (101*)	45	18	27



* = with thermostatic head Art.1824

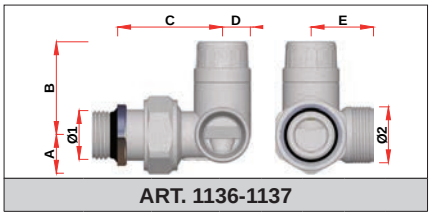
ART. 1615

CODE	Ø1	Ø2	A	B	C	D	E
1615 38	3/8”	24x19	18	25	56 (104*)	52	10
1615 12	1/2”	24x19	18	25	56 (104*)	55	13



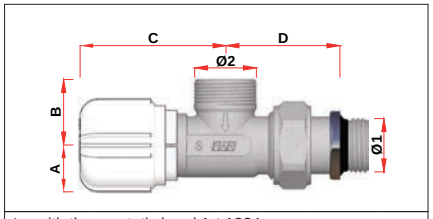
ART. 1116-1117

CODE	Ø1	Ø2	A	B	C	D	E	F
1116 38	3/8”	24x19	17	40	53	12	10	27
1116 12	1/2”	24x19	17	40	55	12	13	27
1117 38	3/8”	24x19	17	40	53	12	10	27
1117 12	1/2”	24x19	17	40	55	12	13	27



ART. 1136-1137

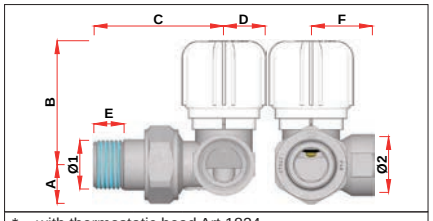
CODE	Ø1	Ø2	A	B	C	D	E
1136 38	3/8”	24x19	17	40	44	12	27
1136 12	1/2”	24x19	17	40	45	12	27
1137 38	3/8”	24x19	17	40	44	12	27
1137 12	1/2”	24x19	17	40	45	12	27



* = with thermostatic head Art.1824

ART. 1635

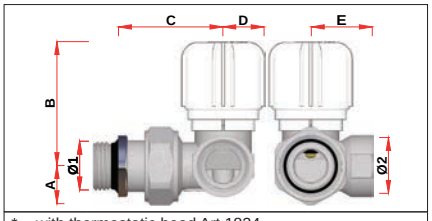
CODE	Ø1	Ø2	A	B	C	D
1635 38	3/8”	24x19	18	25	56 (104*)	43
1635 12	1/2”	24x19	18	25	56 (104*)	44



* = with thermostatic head Art.1824

ART. 1626-1627

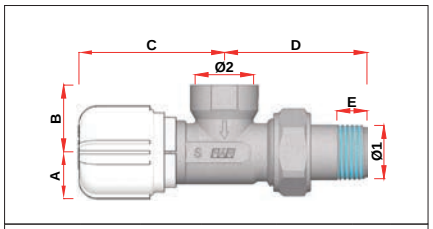
CODE	Ø1	Ø2	A	B	C	D	E	F
1626 38	3/8”	3/8”	17	53 (101*)	53	18	10	26
1626 12	1/2”	1/2”	17	53 (101*)	55	18	13	26
1627 38	3/8”	3/8”	17	53 (101*)	53	18	10	26
1627 12	1/2”	1/2”	17	53 (101*)	55	18	13	26



* = with thermostatic head Art.1824

ART. 1646-1647

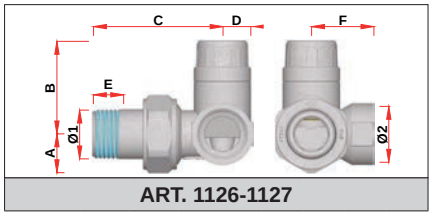
CODE	Ø1	Ø2	A	B	C	D	E
1646 38	3/8”	3/8”	17	53 (101*)	44	18	26
1646 12	1/2”	1/2”	17	53 (101*)	45	18	26
1647 38	3/8”	3/8”	17	53 (101*)	44	18	26
1647 12	1/2”	1/2”	17	53 (101*)	45	18	26



* = with thermostatic head Art.1824

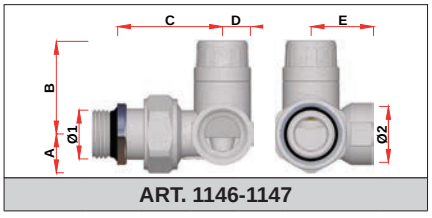
ART. 1625

CODE	Ø1	Ø2	A	B	C	D	E
1625 12	1/2”	1/2”	18	26	56 (104*)	55	13



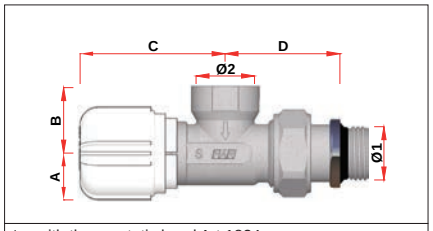
ART. 1126-1127

CODE	Ø1	Ø2	A	B	C	D	E	F
1126 38	3/8”	3/8”	17	40	53	13	10	26
1126 12	1/2”	1/2”	17	40	55	13	13	26
1127 38	3/8”	3/8”	17	40	53	13	10	26
1127 12	1/2”	1/2”	17	40	55	13	13	26



ART. 1146-1147

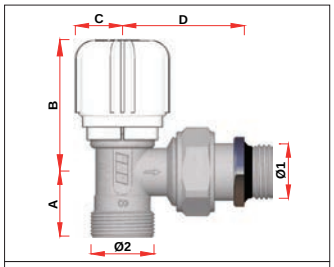
CODE	Ø1	Ø2	A	B	C	D	E
1146 38	3/8”	3/8”	17	40	44	13	26
1146 12	1/2”	1/2”	17	40	45	13	26
1147 38	3/8”	3/8”	17	40	44	13	26
1147 12	1/2”	1/2”	17	40	45	13	26



* = with thermostatic head Art.1824

ART. 1645

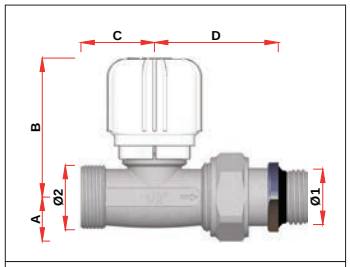
CODE	Ø1	Ø2	A	B	C	D
1645 12	1/2”	1/2”	18	26	56 (104*)	44



* = with thermostatic head Art.1824

ART. 1611-1618

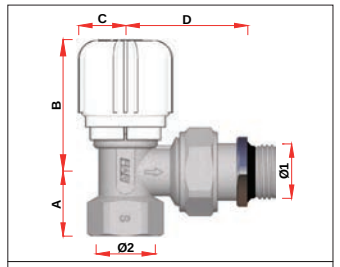
CODE	Ø1	Ø2	A	B	C	D
1611 38	3/8”	24x19	24	50 (98*)	18	40
1611 12	1/2”	24x19	25	50 (98*)	18	46
1618 38	3/8”	24x19	24	50 (98*)	18	40
1618 12	1/2”	24x19	25	50 (98*)	18	46



* = with thermostatic head Art.1824

ART. 1631-1638

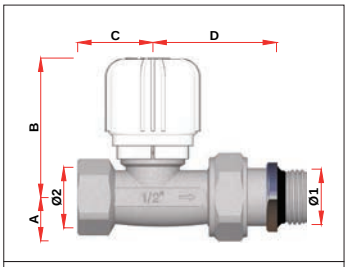
CODE	Ø1	Ø2	A	B	C	D
1631 38	3/8”	24x19	14	51 (99*)	27	41
1631 12	1/2”	24x19	17	51 (99*)	28	46
1638 38	3/8”	24x19	14	51 (99*)	27	41
1638 12	1/2”	24x19	17	51 (99*)	28	46



* = with thermostatic head Art.1824

ART. 1621-1628

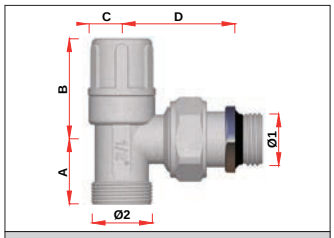
CODE	Ø1	Ø2	A	B	C	D
1621 38	3/8”	3/8”	20	50 (98*)	18	40
1621 12	1/2”	1/2”	24	50 (98*)	18	46
1628 38	3/8”	3/8”	20	50 (98*)	18	40
1628 12	1/2”	1/2”	24	50 (98*)	18	46



* = with thermostatic head Art.1824

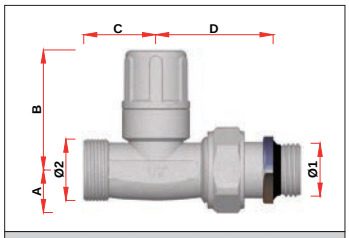
ART. 1641-1648

CODE	Ø1	Ø2	A	B	C	D
1641 38	3/8”	3/8”	14	51 (99*)	24	41
1641 12	1/2”	1/2”	17	52 (100*)	28	46
1648 38	3/8”	3/8”	14	51 (99*)	24	41
1648 12	1/2”	1/2”	17	52 (100*)	28	46



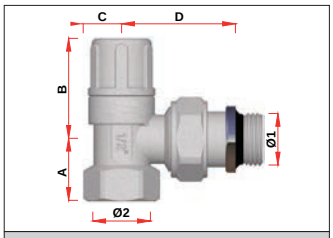
ART. 1111

CODE	Ø1	Ø2	A	B	C	D
1111 38	3/8"	24x19	26	40	13	40
1111 12	1/2"	24x19	26	40	13	45



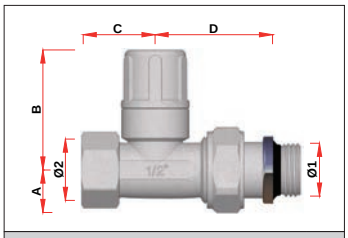
ART. 1311

CODE	Ø1	Ø2	A	B	C	D
1311 38	3/8"	24x19	14	45	28	41
1311 12	1/2"	24x19	14	45	28	46



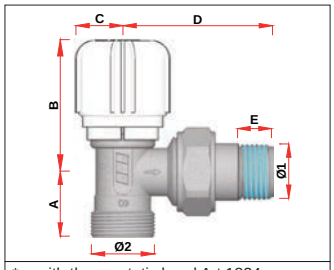
ART. 1211

CODE	Ø1	Ø2	A	B	C	D
1211 38	3/8"	3/8"	20	39	13	40
1211 12	1/2"	1/2"	24	40	15	45



ART. 1411

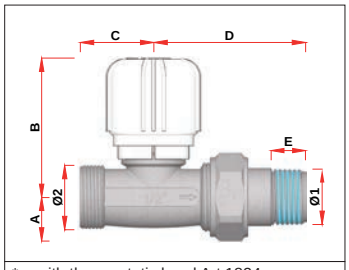
CODE	Ø1	Ø2	A	B	C	D
1411 38	3/8"	3/8"	14	44	25	41
1411 12	1/2"	1/2"	17	47	29	45



* = with thermostatic head Art.1824

ART. 1610

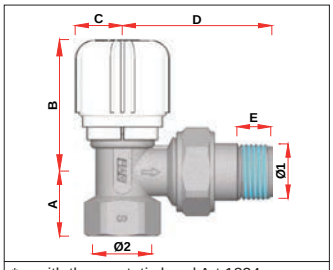
CODE	Ø1	Ø2	A	B	C	D	E
1610 38	3/8"	24x19	24	50 (98*)	18	49	10
1610 12	1/2"	24x19	25	50 (98*)	18	56	13



* = with thermostatic head Art.1824

ART. 1630

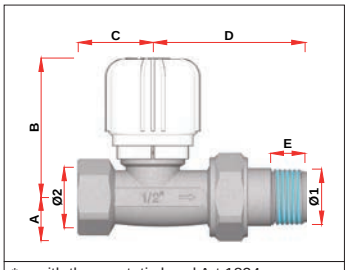
CODE	Ø1	Ø2	A	B	C	D	E
1630 38	3/8"	24x19	14	51 (99*)	27	50	10
1630 12	1/2"	24x19	17	51 (99*)	28	57	13



* = with thermostatic head Art.1824

ART. 1620

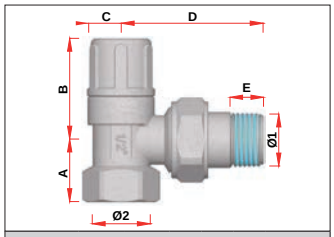
CODE	Ø1	Ø2	A	B	C	D	E
1620 38	3/8"	3/8"	20	50 (98*)	18	49	10
1620 12	1/2"	1/2"	24	50 (98*)	18	56	13
1620 34	3/4"	3/4"	28	51 (99*)	18	63	14
1620 1	1"	1"	34	51 (99*)	22	75	16



* = with thermostatic head Art.1824

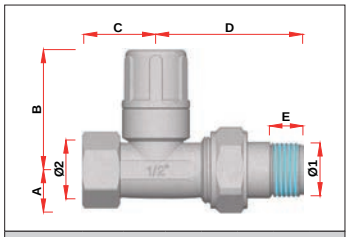
ART. 1640

CODE	Ø1	Ø2	A	B	C	D	E
1640 38	3/8"	3/8"	14	51 (99*)	24	51	10
1640 12	1/2"	1/2"	17	52 (100*)	28	57	13
1640 34	3/4"	3/4"	21	55 (103*)	32	66	14
1640 1	1"	1"	26	54 (102*)	39	68	16



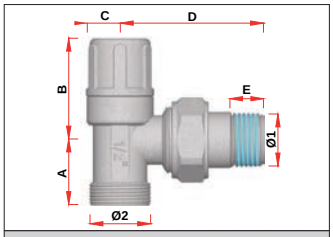
ART. 1200

CODE	Ø1	Ø2	A	B	C	D	E
1200 38	3/8"	3/8"	20	39	13	49	10
1200 12	1/2"	1/2"	24	40	15	56	13
1200 34	3/4"	3/4"	28	46	18	64	14
1200 1	1"	1"	34	51	22	74	16



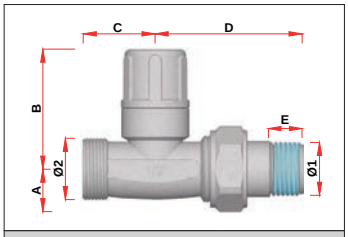
ART. 1400

CODE	Ø1	Ø2	A	B	C	D	E
1400 38	3/8"	3/8"	14	44	25	50	10
1400 12	1/2"	1/2"	17	47	29	56	13
1400 34	3/4"	3/4"	21	55	32	64	14
1400 1	1"	1"	23	61	39	68	16



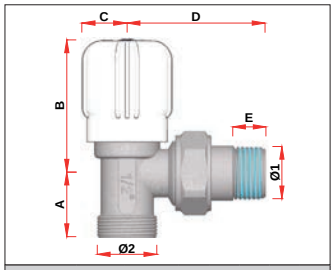
ART. 1100

CODE	Ø1	Ø2	A	B	C	D	E
1100 38	3/8"	24x19	26	39	13	49	10
1100 12	1/2"	24x19	26	40	13	56	13



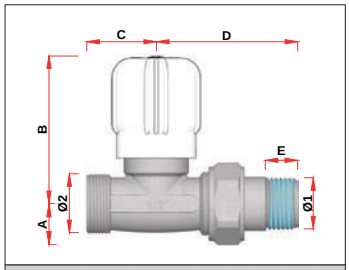
ART. 1300

CODE	Ø1	Ø2	A	B	C	D	E
1300 38	3/8"	24x19	14	45	28	51	10
1300 12	1/2"	24x19	17	46	28	57	13



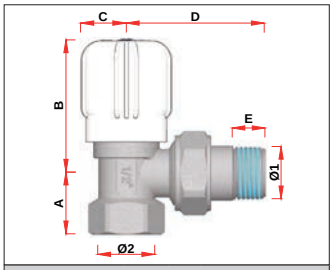
ART. 1050

CODE	Ø1	Ø2	A	B	C	D	E
1050 38	3/8"	24x19	26	53	18	49	10
1050 12	1/2"	24x19	26	53	18	56	13



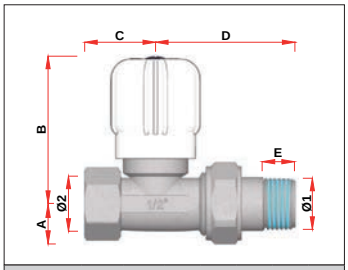
ART. 1250

CODE	Ø1	Ø2	A	B	C	D	E
1250 38	3/8"	24x19	14	58	28	51	10
1250 12	1/2"	24x19	17	60	28	57	13



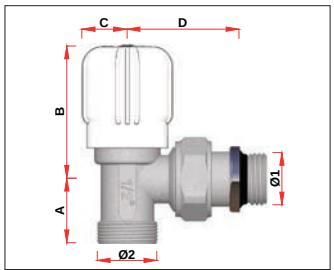
ART. 1150

CODE	Ø1	Ø2	A	B	C	D	E
1150 38	3/8"	3/8"	20	53	18	49	10
1150 12	1/2"	1/2"	24	53	18	56	13
1150 34	3/4"	3/4"	28	56	18	64	14
1150 1	1"	1"	34	65	22	74	16



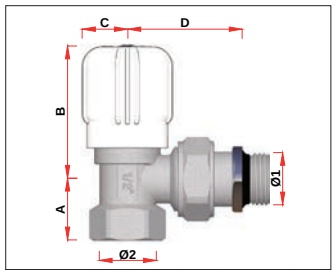
ART. 1350

CODE	Ø1	Ø2	A	B	C	D	E
1350 38	3/8"	3/8"	14	57	25	50	10
1350 12	1/2"	1/2"	17	60	29	56	13
1350 34	3/4"	3/4"	21	64	32	64	14
1350 1	1"	1"	23	75	39	68	16



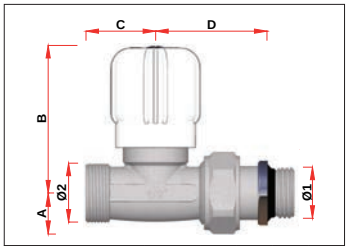
ART. 1051

CODE	Ø1	Ø2	A	B	C	D
1051 38	3/8"	24x19	26	53	18	40
1051 12	1/2"	24x19	26	53	18	44



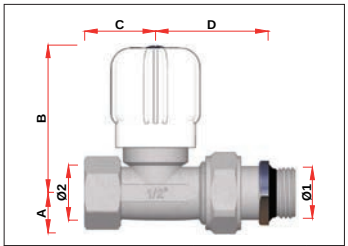
ART. 1151

CODE	Ø1	Ø2	A	B	C	D
1151 38	3/8"	3/8"	20	53	18	40
1151 12	1/2"	1/2"	24	53	18	45



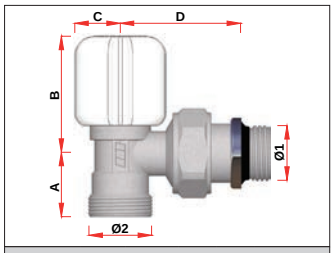
ART. 1251

CODE	Ø1	Ø2	A	B	C	D
1251 38	3/8"	24x19	14	58	28	41
1251 12	1/2"	24x19	17	60	28	46



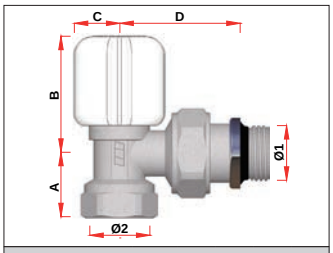
ART. 1351

CODE	Ø1	Ø2	A	B	C	D
1351 38	3/8"	3/8"	14	57	25	41
1351 12	1/2"	1/2"	17	60	29	46



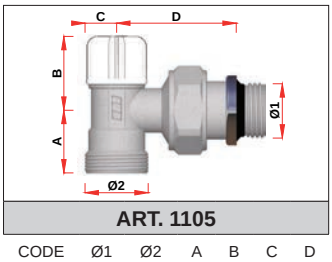
ART. 1055

CODE	Ø1	Ø2	A	B	C	D
1055 38	3/8"	24x19	24	43	17	39
1055 12	1/2"	24x19	24	43	17	45



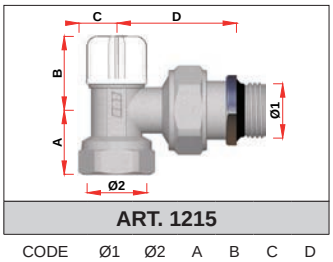
ART. 1155

CODE	Ø1	Ø2	A	B	C	D
1155 38	3/8"	3/8"	20	43	17	39
1155 12	1/2"	1/2"	24	43	17	45
1155 34	3/4"	3/4"	28	48	18	51



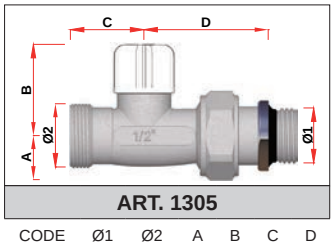
ART. 1105

CODE	Ø1	Ø2	A	B	C	D
1105 38	3/8"	24x19	24	28	12	39
1105 12	1/2"	24x19	24	28	12	45



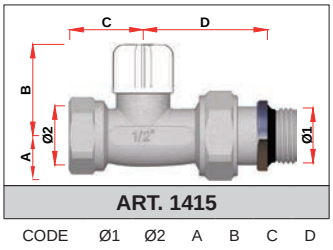
ART. 1215

CODE	Ø1	Ø2	A	B	C	D
1215 38	3/8"	3/8"	20	28	12	39
1215 12	1/2"	1/2"	24	28	14	45



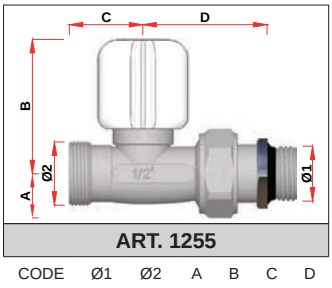
ART. 1305

CODE	Ø1	Ø2	A	B	C	D
1305 38	3/8"	24x19	14	33	27	41
1305 12	1/2"	24x19	17	33	28	46



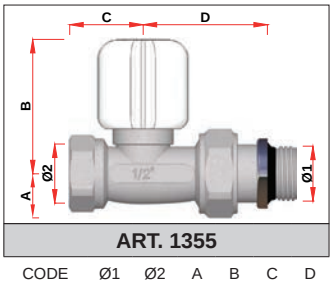
ART. 1415

CODE	Ø1	Ø2	A	B	C	D
1415 38	3/8"	3/8"	14	33	25	41
1415 12	1/2"	1/2"	17	33	28	46



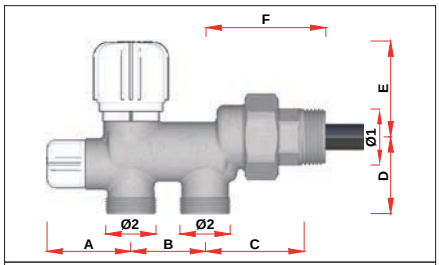
ART. 1255

CODE	Ø1	Ø2	A	B	C	D
1255 38	3/8"	24x19	14	49	27	41
1255 12	1/2"	24x19	17	50	28	46



ART. 1355

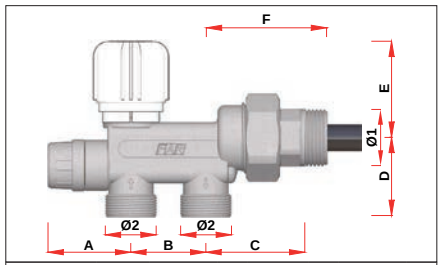
CODE	Ø1	Ø2	A	B	C	D
1355 38	3/8"	3/8"	14	49	25	41
1355 12	1/2"	1/2"	17	49	28	46
1355 34	3/4"	3/4"	21	51	32	53



* = with thermostatic head Art.1824

ART. 1420

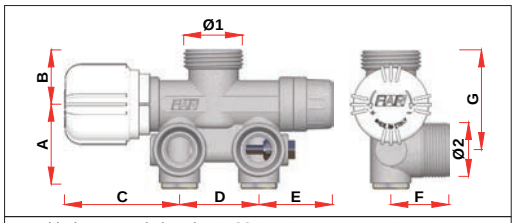
CODE	Ø1	Ø2	A	B	C	D	E	F
1420 12	1/2"	24x19	40	35	46	37	45 (93*)	57
1420 34	3/4"	24x19	40	35	46	37	45 (93*)	57
1420 1D	1"	24x19	40	35	48	37	45 (93*)	63
1420 1S	1"	24x19	40	35	48	37	45 (93*)	63



* = with thermostatic head Art.1824

ART. 1430

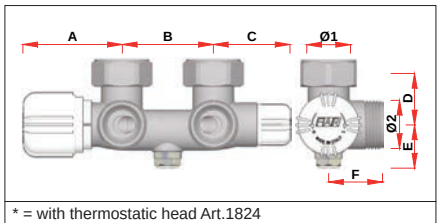
CODE	Ø1	Ø2	A	B	C	D	E	F
1430 12	1/2"	24x19	39	35	46	37	45 (93*)	57
1430 34	3/4"	24x19	39	35	46	37	45 (93*)	57
1430 1D	1"	24x19	39	35	48	37	45 (93*)	63
1430 1S	1"	24x19	39	35	48	37	45 (93*)	63



* = with thermostatic head Art.1824

ART. 1432-1433

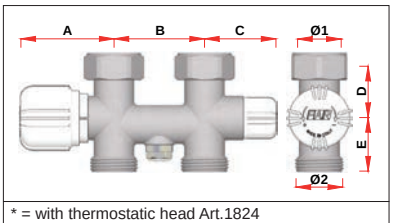
CODE	Ø1	Ø2	A	B	C	D	E	F	G
1432-1433	3/4"	24x19	37	24	51 (99*)	35	33	26	44



* = with thermostatic head Art.1824

ART. 1485-1486-1495-1496

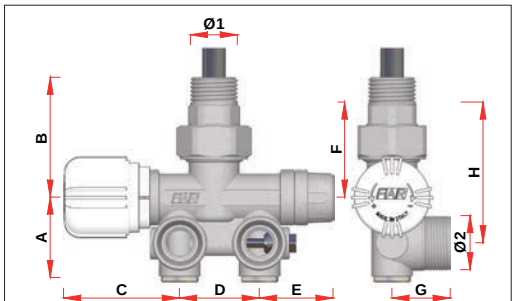
CODE	Ø1	Ø2	A	B	C	D	E	F
1485-1495	3/4"	3/4"EU	55 (103*)	50	42	30	24	30
1486-1496	3/4"	24x19	55 (103*)	50	42	30	24	30



* = with thermostatic head Art.1824

ART. 1489-1490

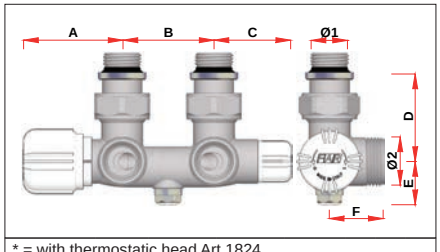
CODE	Ø1	Ø2	A	B	C	D	E
1489	3/4"	3/4"EU	51 (99*)	50	39	30	30
1490	3/4"	24x19	51 (99*)	50	39	30	30



* = with thermostatic head Art.1824

ART. 1436-1437

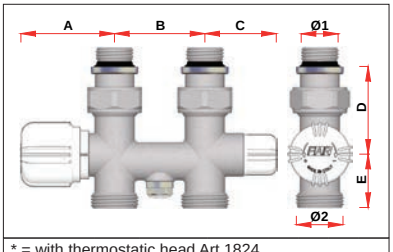
CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1436-1437	1/2"	24x19	37	53	51 (99*)	35	33	42	26	63



* = with thermostatic head Art.1824

ART. 1487-1488-1497-1498

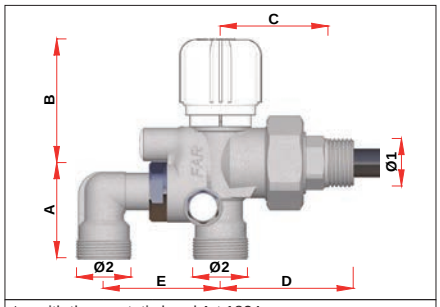
CODE	Ø1	Ø2	A	B	C	D	E	F
1487-1497	1/2"	3/4"EU	55 (103*)	50	42	48	24	30
1488-1498	1/2"	24x19	55 (103*)	50	42	48	24	30



* = with thermostatic head Art.1824

ART. 1491-1492

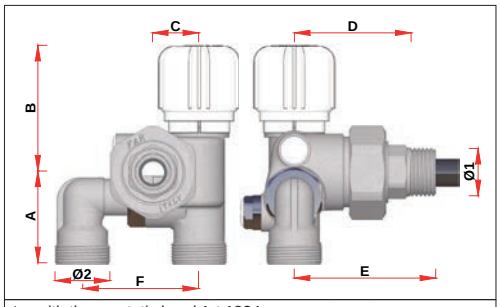
CODE	Ø1	Ø2	A	B	C	D	E
1491	1/2"	3/4"EU	51 (99*)	50	39	48	30
1492	1/2"	24x19	51 (99*)	50	39	48	30



* = with thermostatic head Art.1824

ART. 1425

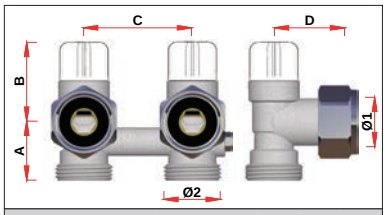
CODE	Ø1	Ø2	A	B	C	D	E
1425 1235	1/2”	24x19	42	54 (102*)	47	58	35-38
1425 1250	1/2”	24x19	42	54 (102*)	47	58	40-50
1425 1265	1/2”	24x19	42	54 (102*)	47	58	48-65
1425 3435	3/4”	24x19	42	54 (102*)	48	58	35-38
1425 3450	3/4”	24x19	42	54 (102*)	48	58	40-50
1425 3465	3/4”	24x19	42	54 (102*)	48	58	48-65
1425 135D	1”	24x19	42	54 (102*)	51	64	35-38
1425 150D	1”	24x19	42	54 (102*)	51	64	40-50
1425 165D	1”	24x19	42	54 (102*)	51	64	48-65
1425 135S	1”	24x19	42	54 (102*)	51	64	35-38
1425 150S	1”	24x19	42	54 (102*)	51	64	40-50
1425 165S	1”	24x19	42	54 (102*)	51	64	48-65



* = with thermostatic head Art.1824

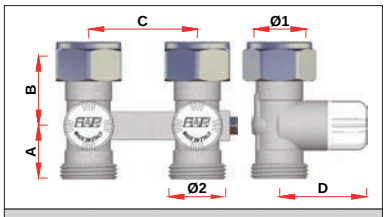
ART. 1428

CODE	Ø1	Ø2	A	B	C	D	E	F
1428 1235	1/2”	24x19	40	55 (103*)	20	51	62	35-38
1428 1250	1/2”	24x19	40	55 (103*)	20	51	62	40-50
1428 1265	1/2”	24x19	40	55 (103*)	20	51	62	48-65
1428 3435	3/4”	24x19	40	55 (103*)	20	51	63	35-38
1428 3450	3/4”	24x19	40	55 (103*)	20	51	63	40-50
1428 3465	3/4”	24x19	40	55 (103*)	20	51	63	48-65
1428 135D	1”	24x19	40	55 (103*)	20	55	68	35-38
1428 150D	1”	24x19	40	55 (103*)	20	55	68	40-50
1428 165D	1”	24x19	40	55 (103*)	20	55	68	48-65
1428 135S	1”	24x19	40	55 (103*)	20	55	68	35-38
1428 150S	1”	24x19	40	55 (103*)	20	55	68	40-50
1428 165S	1”	24x19	40	55 (103*)	20	55	68	48-65



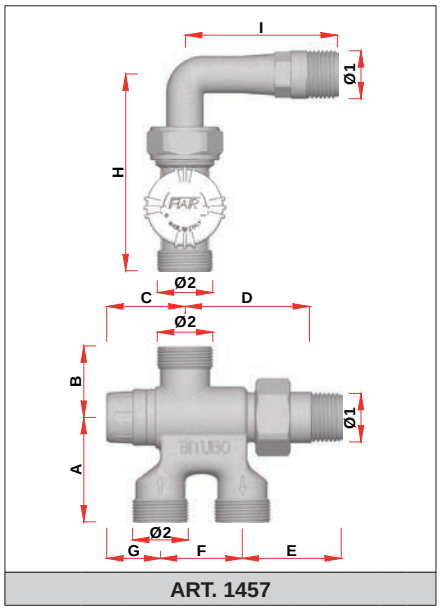
ART. 1421-1422

CODE	Ø1	Ø2	A	B	C	D
1421	3/4”	3/4”	27	37	50	33
1422	3/4”	24x19	29	37	50	33



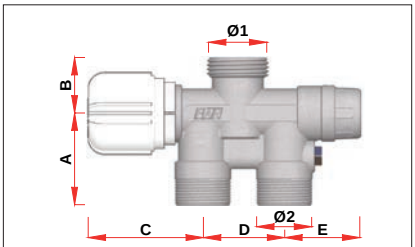
ART. 1423-1424

CODE	Ø1	Ø2	A	B	C	D
1423	3/4”	3/4”	24	33	50	40
1424	3/4”	24x19	26	33	50	40



ART. 1457

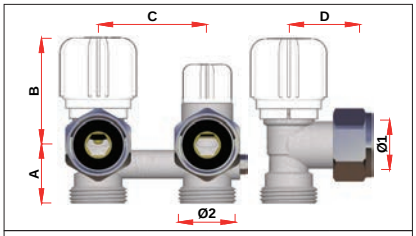
CODE	Ø1	Ø2	A	B	C	D	E	F	G	H	I
1457 12	1/2”	24x19	45	31	34	54	42	35	23	85	67



* = with thermostatic head Art.1824

ART. 1431

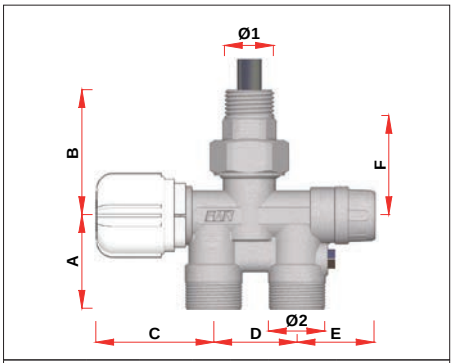
CODE	Ø1	Ø2	A	B	C	D	E
1431	3/4”	24x19	40	24	50 (98*)	35	33



* = with thermostatic head Art.1824

ART. 1481-1482

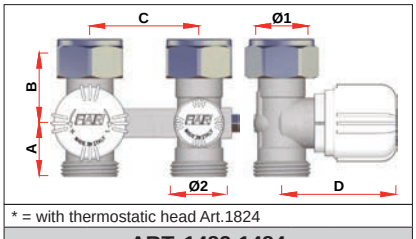
CODE	Ø1	Ø2	A	B	C	D
1481	3/4”	3/4”	27	50 (98*)	50	33
1482	3/4”	24x19	29	50 (98*)	50	33



* = with thermostatic head Art.1824

ART. 1435

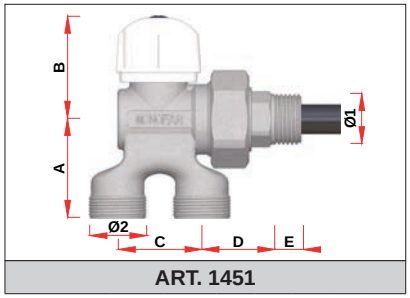
CODE	Ø1	Ø2	A	B	C	D	E	F
1435	1/2”	24x19	40	53	50 (98*)	35	33	42



* = with thermostatic head Art.1824

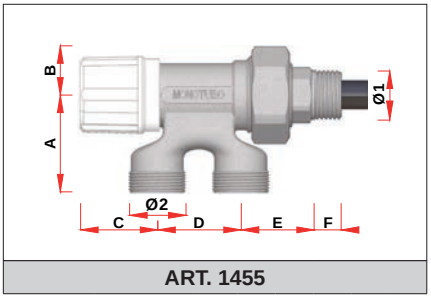
ART. 1483-1484

CODE	Ø1	Ø2	A	B	C	D
1483	3/4”	3/4”	24	33	50	52 (100*)
1484	3/4”	24x19	26	33	50	52 (100*)



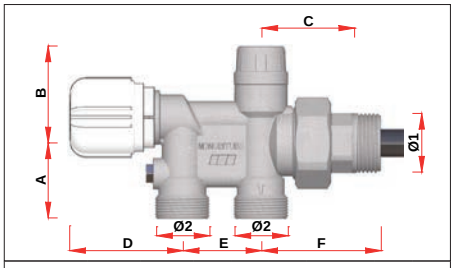
ART. 1451

CODE	Ø1	Ø2	A	B	C	D	E
1451 1212	1/2”	24x19	41	43	35	31	11
1451 3412	3/4”	24x19	41	43	35	32	12



ART. 1455

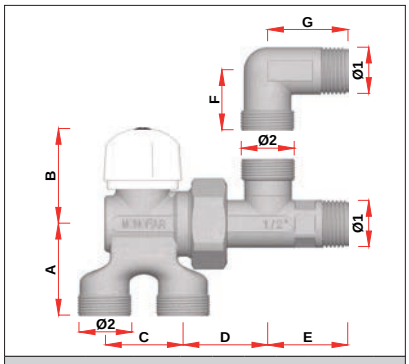
CODE	Ø1	Ø2	A	B	C	D	E	F
1455 1212	1/2”	24x19	41	21	33	35	31	11
1455 3412	3/4”	24x19	41	21	33	35	32	12



* = with thermostatic head Art.1824

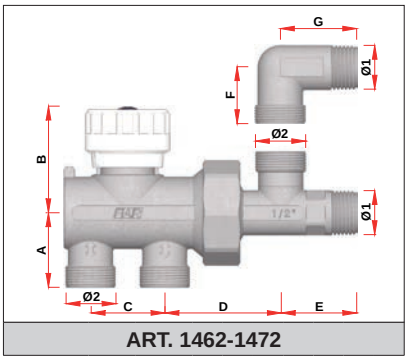
ART. 1438

CODE	Ø1	Ø2	A	B	C	D	E	F
1438 12	1/2”	24x19	34	43	41	51 (99*)	35	52
1438 34	3/4”	24x19	34	43	42	51 (99*)	35	54
1438 1	1”	24x19	34	43	44	51 (99*)	35	60



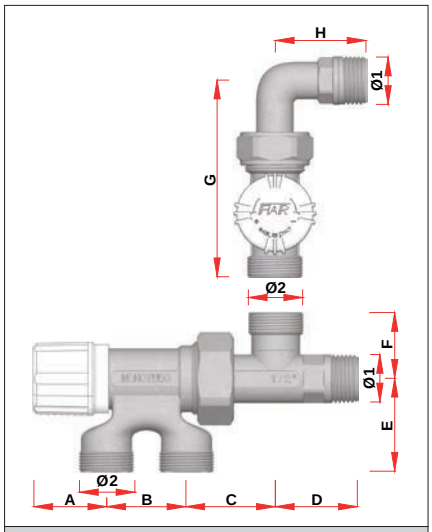
ART. 1452

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1452 12	1/2"	24x19	41	43	35	39	36	27	36



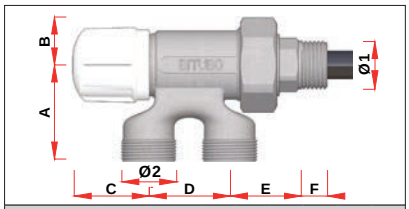
ART. 1462-1472

CODE	Ø1	Ø2	A	B	C	D	E	F	G
1462 12	1/2"	24x19	35	50	35	56	36	-	-
1472 12	1/2"	24x19	35	50	35	56	36	27	36



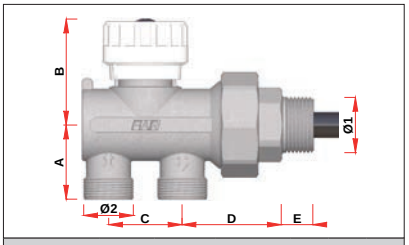
ART. 1442

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1442 12	1/2"	24x19	33	35	39	36	41	29	85	37



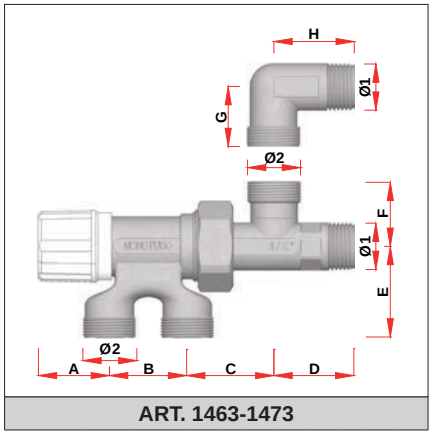
ART. 1456

CODE	Ø1	Ø2	A	B	C	D	E	F
1456 1212	1/2"	24x19	41	21	33	35	30	11



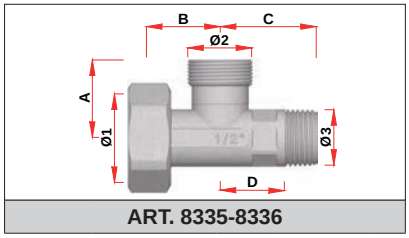
ART. 1450-1500

CODE	Ø1	Ø2	A	B	C	D	E
1450 1212	1/2"	24x19	35	50	35	48	14
1450 3412	3/4"	24x19	35	50	35	50	13
1450 3414	3/4"	24x19	35	50	35	50	13
1450 114**D**	1"DX	24x19	35	50	35	49	14
1450 114**S**	1"SX	24x19	35	50	35	49	14
1500 121**R**	1/2"	24x19	35	50	35	48	13
1500 122**R**	1/2"	24x19	35	50	35	48	13



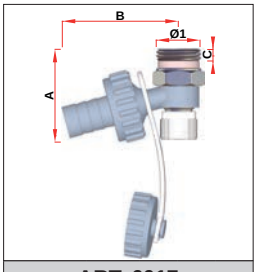
ART. 1463-1473

CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
1463 12	1/2"	24x19	33	35	39	36	41	29	-	-
1473 12	1/2"	24x19	33	35	39	36	41	29	27	36



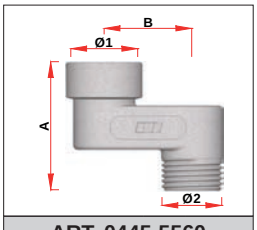
ART. 8335-8336

CODE	Ø1	Ø2	Ø3	A	B	C	D
8335 12	42x19	24x19	1/2"	29	26	36	24
8336 12	1"	24x19	1/2"	29	25	36	24



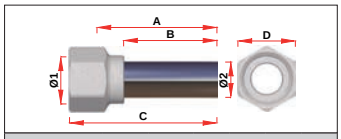
ART. 6017

CODE	Ø1	A	B	C
6017 12	1/2"	44	55	5



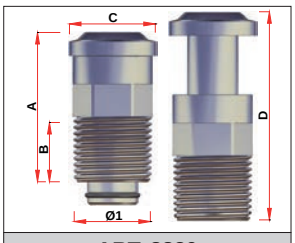
ART. 0445-5560

CODE	Ø1	Ø2	A	B
0445 112	1/2"	1/2"	44	10
0445 212	1/2"	1/2"	44	20
5560 138	3/8"	3/8"	44	10
5560 238	3/8"	3/8"	44	20
5560 338	3/8"	3/8"	44	30
5560 438	3/8"	3/8"	44	40
5560 538	3/8"	3/8"	44	50
5560 638	3/8"	3/8"	44	60
5560 112	1/2"	1/2"	44	10
5560 212	1/2"	1/2"	44	20
5560 312	1/2"	1/2"	44	30
5560 412	1/2"	1/2"	44	40
5560 512	1/2"	1/2"	44	50
5560 612	1/2"	1/2"	44	60
5560 134	3/4"	3/4"	48	10
5560 234	3/4"	3/4"	48	20
5560 334	3/4"	3/4"	48	30
5560 434	3/4"	3/4"	48	40
5560 534	3/4"	3/4"	48	50
5560 634	3/4"	3/4"	48	60



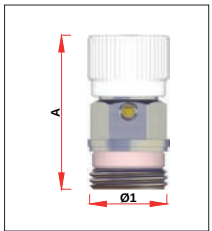
ART. 8876

CODE	Ø1	Ø1	A	B	C	D
8876 1205	1/2"	15	51	39	62	24



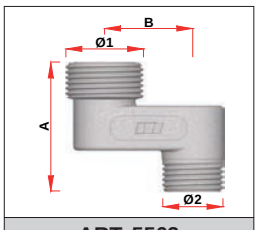
ART. 8820

CODE	Ø1	A	B	C	D
8820 38	3/8"	32	14	18	55
8820 12	1/2"	36	14	24	62
8820 34	3/4"	38	14	30	63



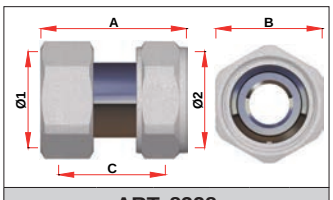
ART. 6135

CODE	Ø1	A
6135 18	1/8"	31
6135 14	1/4"	35
6135 38	3/8"	36
6135 12	1/2"	36



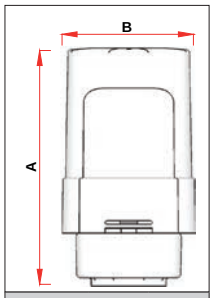
ART. 5563

CODE	Ø1	Ø2	A	B
5563 13412	3/4"	1/2"	44	10
5563 23412	3/4"	1/2"	44	20
5563 33412	3/4"	1/2"	44	30
5563 43412	3/4"	1/2"	44	40
5563 53412	3/4"	1/2"	44	50
5563 63412	3/4"	1/2"	44	60



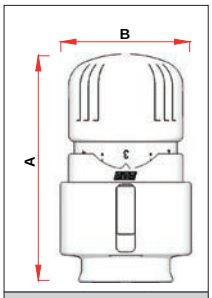
ART. 8328

CODE	Ø1	Ø2	A	B	C
8328 34	3/4"	3/4"	41	30	29



ART. 1820

CODE	A	B
1820	92	51



ART. 1821-1824

CODE	A	B
1821	86	48
1824	86	48



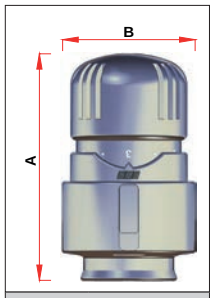
ART. 1822

CODE	A	B
1822	86	48



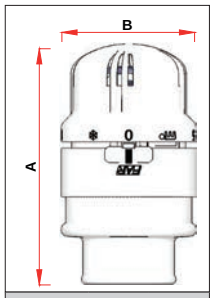
ART. 1823

CODE	A	B
1823	86	48



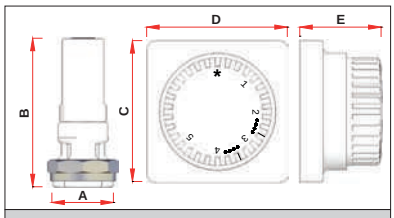
ART. 1827

CODE	A	B
1827	86	48



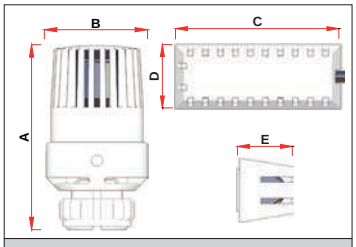
ART. 1828

CODE	A	B
1828	91	51



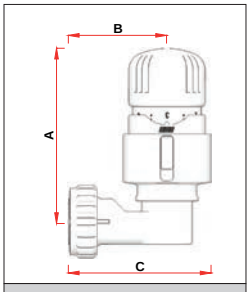
ART. 1800

CODE	A	B	C	D	E
1800	36	83	79	79	50



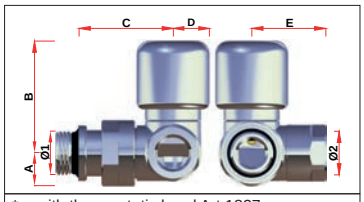
ART. 1810

CODE	A	B	C	D	E
1810	98	55	85	33	27



ART. 1834

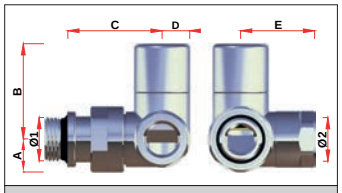
CODE	A	B	C
1834	95	54	78



* = with thermostatic head Art.1827

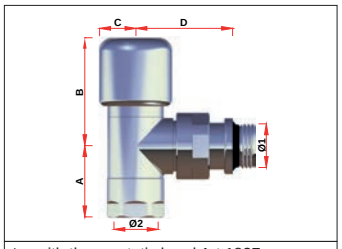
ART. 0101-0102

CODE	Ø1	Ø2	A	B	C	D	E
0101 38P	3/8"	24x19 Ø16	16	53 (101*)	44	17	35
0101 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35
0102 38P	3/8"	24x19 Ø16	16	53 (101*)	44	17	35
0102 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35



ART. 0121-0122

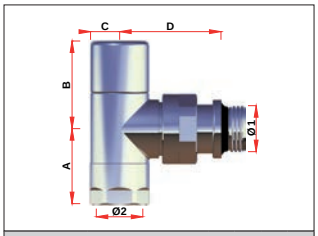
CODE	Ø1	Ø2	A	B	C	D	E
0121 38P	3/8"	24x19 Ø16	16	45	44	13	35
0121 12P	1/2"	24x19 Ø16	16	45	45	13	35
0122 38P	3/8"	24x19 Ø16	16	45	44	13	35
0122 12P	1/2"	24x19 Ø16	16	45	45	13	35



* = with thermostatic head Art.1827

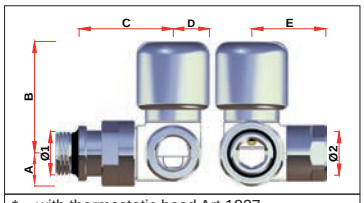
ART. 0108

CODE	Ø1	Ø2	A	B	C	D
0108 38P	3/8"	24x19 Ø16	34	51 (99*)	17	45
0108 12P	1/2"	24x19 Ø16	34	51 (99*)	17	46



ART. 0128

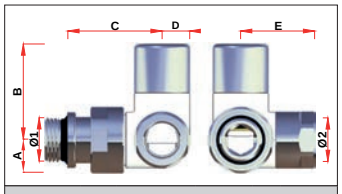
CODE	Ø1	Ø2	A	B	C	D
0128 38P	3/8"	24x19 Ø16	34	39	13	45
0128 12P	1/2"	24x19 Ø16	34	39	13	46



* = with thermostatic head Art.1827

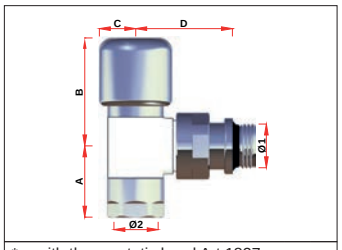
ART. 0111-0112

CODE	Ø1	Ø2	A	B	C	D	E
0111 38P	3/8"	24x19 Ø16	16	53 (101*)	44	17	35
0111 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35
0112 38P	3/8"	24x19 Ø16	16	53 (101*)	44	17	35
0112 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35



ART. 0131-0132

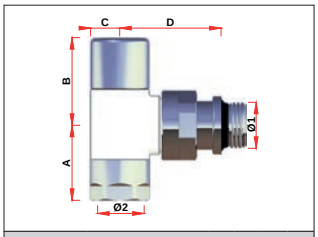
CODE	Ø1	Ø2	A	B	C	D	E
0131 38P	3/8"	24x19 Ø16	16	45	44	13	35
0131 12P	1/2"	24x19 Ø16	16	45	45	13	35
0132 38P	3/8"	24x19 Ø16	16	45	44	13	35
0132 12P	1/2"	24x19 Ø16	16	45	45	13	35



* = with thermostatic head Art.1827

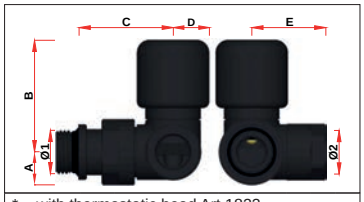
ART. 0109

CODE	Ø1	Ø2	A	B	C	D
0109 38P	3/8"	24x19 Ø16	34	51 (99*)	17	45
0109 12P	1/2"	24x19 Ø16	34	51 (99*)	17	46



ART. 0129

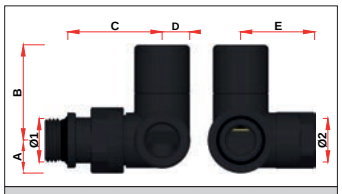
CODE	Ø1	Ø2	A	B	C	D
0129 38P	3/8"	24x19 Ø16	34	39	13	45
0129 12P	1/2"	24x19 Ø16	34	39	13	46



* = with thermostatic head Art.1822

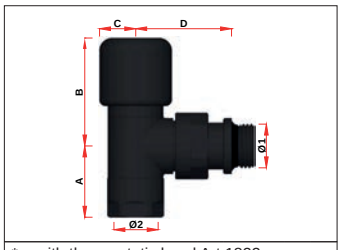
ART. 0151-0152

CODE	Ø1	Ø2	A	B	C	D	E
0151 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35
0152 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35



ART. 0171-0172

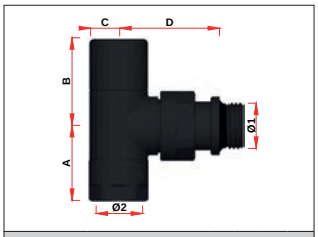
CODE	Ø1	Ø2	A	B	C	D	E
0171 12P	1/2"	24x19 Ø16	16	45	45	13	35
0172 12P	1/2"	24x19 Ø16	16	45	45	13	35



* = with thermostatic head Art.1822

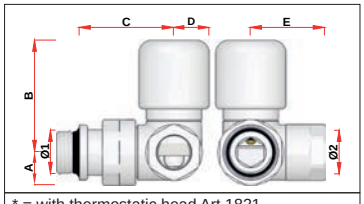
ART. 0143

CODE	Ø1	Ø2	A	B	C	D
0143 12P	1/2"	24x19 Ø16	34	51 (99*)	17	46



ART. 0163

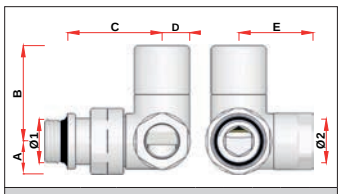
CODE	Ø1	Ø2	A	B	C	D
0163 12P	1/2"	24x19 Ø16	34	39	13	46



* = with thermostatic head Art.1821

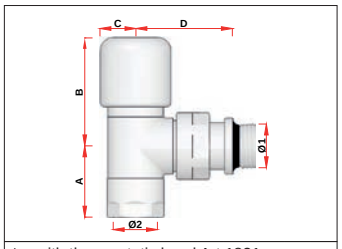
ART. 0153-0154

CODE	Ø1	Ø2	A	B	C	D	E
0153 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35
0154 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35



ART. 0173-0174

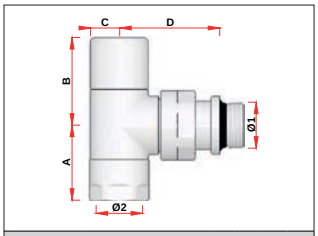
CODE	Ø1	Ø2	A	B	C	D	E
0173 12P	1/2"	24x19 Ø16	16	45	45	13	35
0174 12P	1/2"	24x19 Ø16	16	45	45	13	35



* = with thermostatic head Art.1821

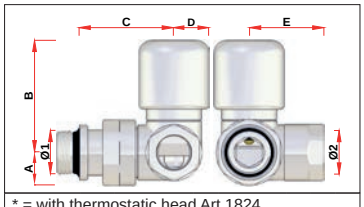
ART. 0144

CODE	Ø1	Ø2	A	B	C	D
0144 12P	1/2"	24x19 Ø16	34	51 (99*)	17	46



ART. 0164

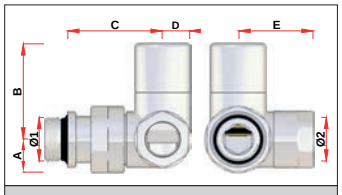
CODE	Ø1	Ø2	A	B	C	D
0164 12P	1/2"	24x19 Ø16	34	39	13	46



* = with thermostatic head Art.1824

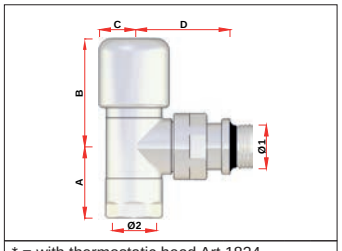
ART. 0161-0162

CODE	Ø1	Ø2	A	B	C	D	E
0161 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35
0162 12P	1/2"	24x19 Ø16	16	53 (101*)	45	17	35



ART. 0178-0179

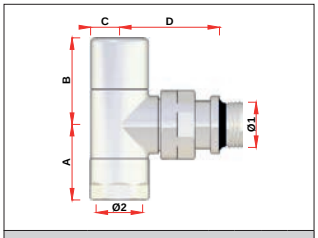
CODE	Ø1	Ø2	A	B	C	D	E
0178 12P	1/2"	24x19 Ø16	16	45	45	13	35
0179 12P	1/2"	24x19 Ø16	16	45	45	13	35



* = with thermostatic head Art.1824

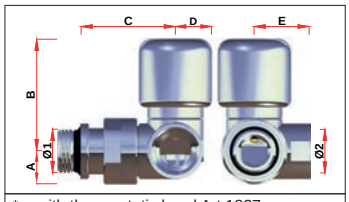
ART. 0159

CODE	Ø1	Ø2	A	B	C	D
0159 12P	1/2"	24x19 Ø16	34	51 (99*)	17	46



ART. 0177

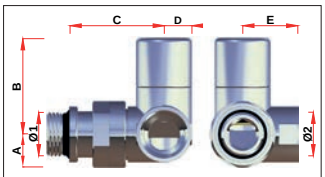
CODE	Ø1	Ø2	A	B	C	D
0177 12P	1/2"	24x19 Ø16	34	39	13	46



* = with thermostatic head Art.1827

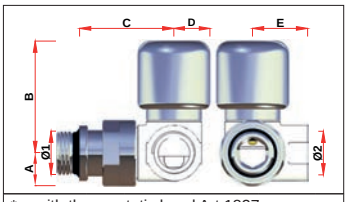
ART. 0103-0104

CODE	Ø1	Ø2	A	B	C	D	E
0103 38P	3/8"	3/8"	16	53 (101*)	44	17	26
0103 12P	1/2"	1/2"	16	53 (101*)	45	17	26
0104 38P	3/8"	3/8"	16	53 (101*)	44	17	26
0104 12P	1/2"	1/2"	16	53 (101*)	45	17	26



ART. 0123-0124

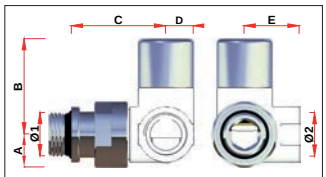
CODE	Ø1	Ø2	A	B	C	D	E
0123 38P	3/8"	3/8"	16	45	44	13	26
0123 12P	1/2"	1/2"	16	45	45	13	26
0124 38P	3/8"	3/8"	16	45	44	13	26
0124 12P	1/2"	1/2"	16	45	45	13	26



* = with thermostatic head Art.1827

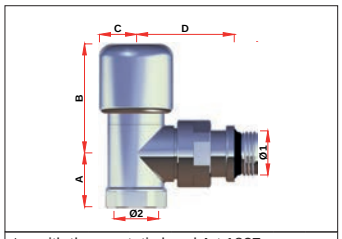
ART. 0113-0114

CODE	Ø1	Ø2	A	B	C	D	E
0113 38P	3/8"	3/8"	16	53 (101*)	44	17	26
0113 12P	1/2"	1/2"	16	53 (101*)	45	17	26
0114 38P	3/8"	3/8"	16	53 (101*)	44	17	26
0114 12P	1/2"	1/2"	16	53 (101*)	45	17	26



ART. 0133-0134

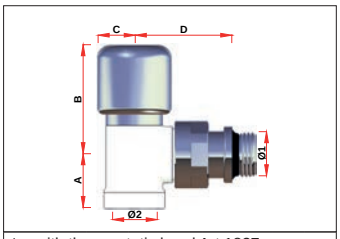
CODE	Ø1	Ø2	A	B	C	D	E
0133 38P	3/8"	3/8"	16	45	44	13	26
0133 12P	1/2"	1/2"	16	45	45	13	26
0134 38P	3/8"	3/8"	16	45	44	13	26
0134 12P	1/2"	1/2"	16	45	45	13	26



* = with thermostatic head Art.1827

ART. 0148

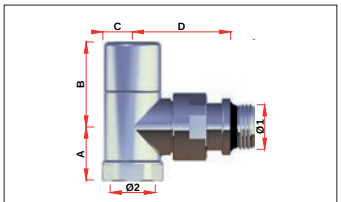
CODE	Ø1	Ø2	A	B	C	D
0148 38P	3/8"	3/8"	25	51 (99*)	17	45
0148 12P	1/2"	1/2"	25	51 (99*)	17	46



* = with thermostatic head Art.1827

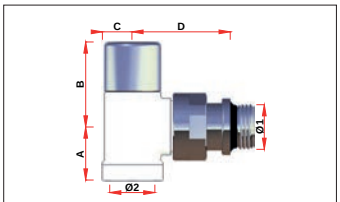
ART. 0149

CODE	Ø1	Ø2	A	B	C	D
0149 38P	3/8"	3/8"	25	51 (99*)	17	45
0149 12P	1/2"	1/2"	25	51 (99*)	17	46



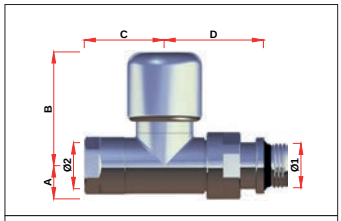
ART. 0168

CODE	Ø1	Ø2	A	B	C	D
0168 38P	3/8"	3/8"	26	39	14	45
0168 12P	1/2"	1/2"	25	39	14	46



ART. 0169

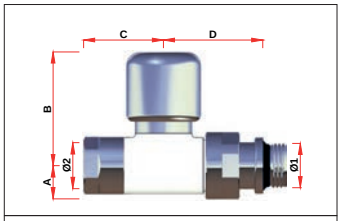
CODE	Ø1	Ø2	A	B	C	D
0169 38P	3/8"	3/8"	26	39	14	45
0169 12P	1/2"	1/2"	25	39	14	46



* = with thermostatic head Art.1827-1821-1822

ART. 0181

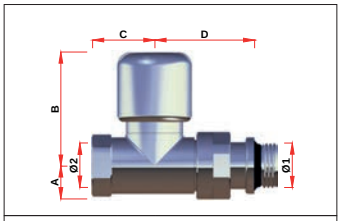
CODE	Ø1	Ø2	A	B	C	D
0181 12P	1/2"	24x19 Ø16	16	52 (100*)	37	46
0181 12BO	1/2"	24x19 Ø16	16	52 (100*)	37	46
0181 12NO	1/2"	24x19 Ø16	16	52 (100*)	37	46



* = with thermostatic head Art.1827

ART. 0182

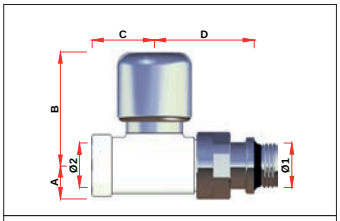
CODE	Ø1	Ø2	A	B	C	D
0182 12P	1/2"	24x19 Ø16	16	52 (100*)	37	46



* = with thermostatic head Art.1827

ART. 0183

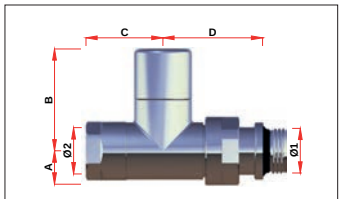
CODE	Ø1	Ø2	A	B	C	D
0183 12P	1/2"	1/2"	16	52 (100*)	29	46



* = with thermostatic head Art.1827

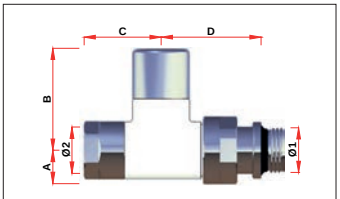
ART. 0184

CODE	Ø1	Ø2	A	B	C	D
0184 12P	1/2"	1/2"	16	52 (100*)	29	46



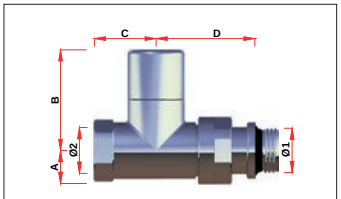
ART. 0186

CODE	Ø1	Ø2	A	B	C	D
0186 12P	1/2"	24x19 Ø16	16	47	35	46
0186 12BO	1/2"	24x19 Ø16	16	47	35	46
0186 12NO	1/2"	24x19 Ø16	16	47	35	46



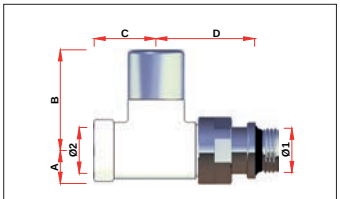
ART. 0187

CODE	Ø1	Ø2	A	B	C	D
0187 12P	1/2"	24x19 Ø16	16	47	35	46



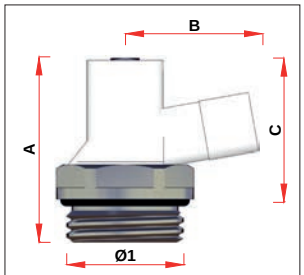
ART. 0188

CODE	Ø1	Ø2	A	B	C	D
0188 12P	1/2"	1/2"	16	47	29	46



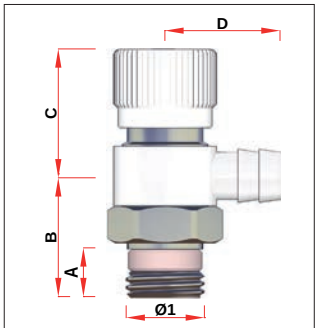
ART. 0189

CODE	Ø1	Ø2	A	B	C	D
0189 12P	1/2"	1/2"	16	47	29	46



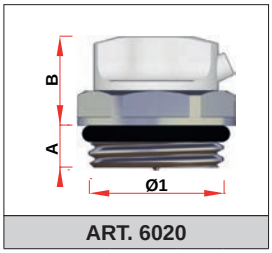
ART. 6010

CODE	Ø1	A	B	C
6010 12	1/2"	32	22	24



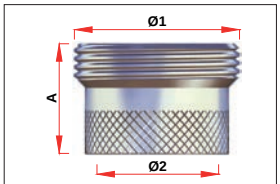
ART. 6015

CODE	Ø1	A	B	C	D
6015 14	1/4"	8	20	21	19
6015 38	3/8"	8	20	21	19
6015 12	1/2"	9	22	21	19



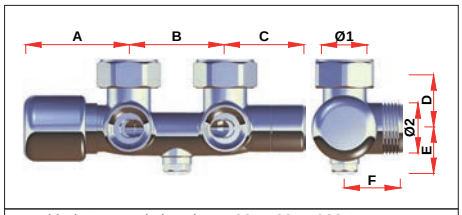
ART. 6020

CODE	Ø1	A	B
6020 38	3/8"	7	14
6020 12	1/2"	7	13



ART. 1941

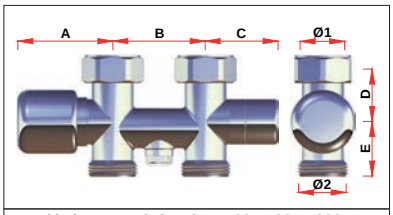
CODE	Ø1	Ø2	A
1941	M30x1.5	M20x1	20



* = with thermostatic head Art.1827-1821-1822

ART. 0261

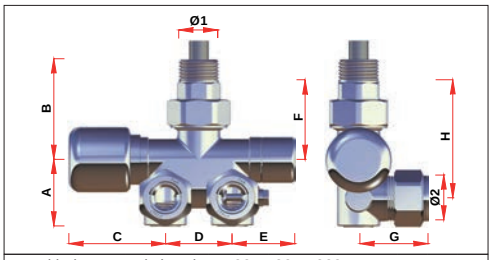
CODE	Ø1	Ø2	A	B	C	D	E	F
0261	3/4"	3/4"EU	55 (103*)	50	42	30	24	30
0261 BO	3/4"	3/4"EU	55 (103*)	50	42	30	24	30
0261 NO	3/4"	3/4"EU	55 (103*)	50	42	30	24	30



* = with thermostatic head Art.1827-1821-1822

ART. 0266

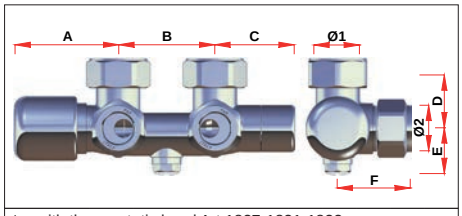
CODE	Ø1	Ø2	A	B	C	D	E
0266	3/4"	3/4"EU	51 (99*)	50	39	30	30
0266 BO	3/4"	3/4"EU	51 (99*)	50	39	30	30
0266 NO	3/4"	3/4"EU	51 (99*)	50	39	30	30



* = with thermostatic head Art.1827-1821-1822

ART. 0286-0288

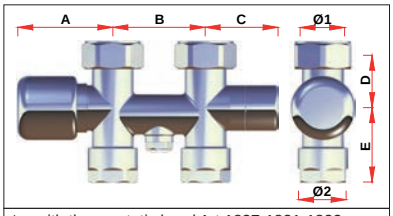
CODE	Ø1	Ø2	A	B	C	D	E	F	G	H
0286	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63
0286 BO	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63
0286 NO	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63
0288	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63
0288 BO	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63
0288 NO	1/2"	24x19 Ø16	35	53	51 (99*)	35	33	42	33	63



* = with thermostatic head Art.1827-1821-1822

ART. 0262

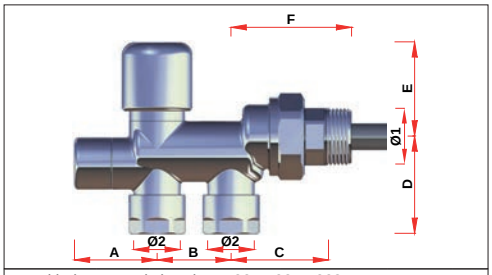
CODE	Ø1	Ø2	A	B	C	D	E	F
0262	3/4"	24x19 Ø16	55 (103*)	50	42	30	24	38
0262 BO	3/4"	24x19 Ø16	55 (103*)	50	42	30	24	38
0262 NO	3/4"	24x19 Ø16	55 (103*)	50	42	30	24	38



* = with thermostatic head Art.1827-1821-1822

ART. 0267

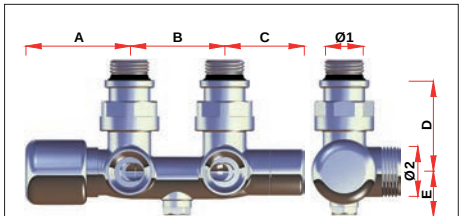
CODE	Ø1	Ø2	A	B	C	D	E
0267	3/4"	24x19 Ø16	51 (99*)	50	39	30	40
0267 NO	3/4"	24x19 Ø16	51 (99*)	50	39	30	40
0267 BO	3/4"	24x19 Ø16	51 (99*)	50	39	30	40



* = with thermostatic head Art.1827-1821-1822

ART. 0265

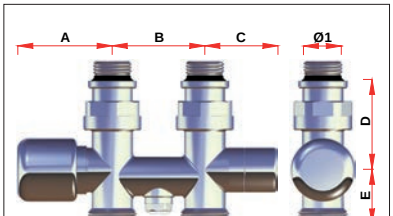
CODE	Ø1	Ø2	A	B	C	D	E	F
0265 12	1/2"	24x19 Ø16	39	35	46	46	45 (93*)	57
0265 34	3/4"	24x19 Ø16	39	35	46	46	45 (93*)	57
0265 12BO	1/2"	24x19 Ø16	39	35	46	45	45 (93*)	57
0265 34BO	3/4"	24x19 Ø16	39	35	46	45	45 (93*)	57
0265 12NO	1/2"	24x19 Ø16	39	35	46	45	45 (93*)	57
0265 34NO	3/4"	24x19 Ø16	39	35	46	45	45 (93*)	57



* = with thermostatic head Art.1827

ART. 0263

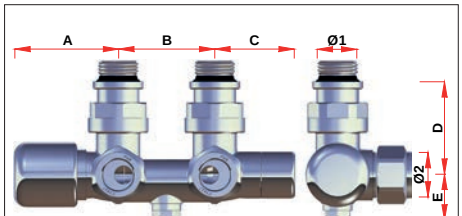
CODE	Ø1	Ø2	A	B	C	D	E	F
0263	1/2"	3/4"EU	55 (103*)	50	42	48	24	30



* = with thermostatic head Art.1827

ART. 0268

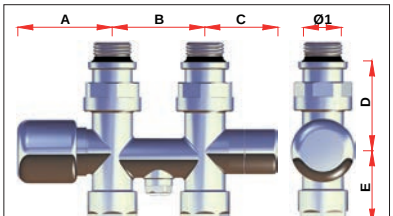
CODE	Ø1	Ø2	A	B	C	D	E
0268	1/2"	3/4"EU	51 (99*)	50	39	48	30



* = with thermostatic head Art.1827-1821-1822

ART. 0264

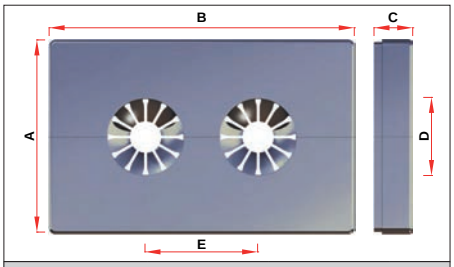
CODE	Ø1	Ø2	A	B	C	D	E	F
0264	1/2"	24x19 Ø16	55 (103*)	50	42	48	24	38
0264 BO	1/2"	24x19 Ø16	55 (103*)	50	42	48	24	38
0264 NO	1/2"	24x19 Ø16	55 (103*)	50	42	48	24	38



* = with thermostatic head Art.1827

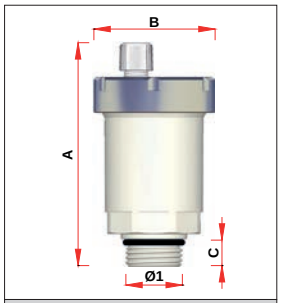
ART. 0269

CODE	Ø1	Ø2	A	B	C	D	E
0269	1/2"	24x19 Ø16	51 (99*)	50	39	48	40



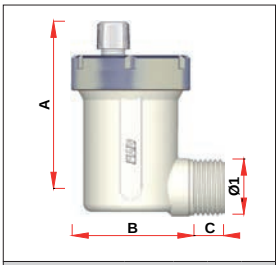
ART. 6150

CODE	A	B	C	D	E
6150 35 BO	60	95	12	10-20	35
6150 35 NO	60	95	12	10-20	35
6150 35 NL	60	95	12	10-20	35
6150 35 BL	60	95	12	10-20	35
6150 35 CL	60	95	12	10-20	35
6150 50 BO	60	110	12	10-20	50
6150 50 NO	60	110	12	10-20	50
6150 50 NL	60	110	12	10-20	50
6150 50 BL	60	110	12	10-20	50
6150 50 CL	60	110	12	10-20	50



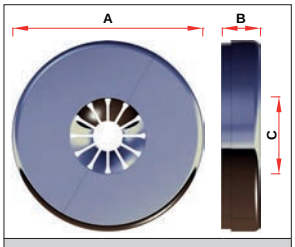
ART. 0306

CODE	Ø1	A	B	C
0306 12	1/2"	82	44	10



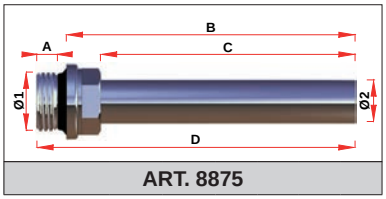
ART. 0305

CODE	Ø1	A	B	C
0305 12	1/2"	62	44	12



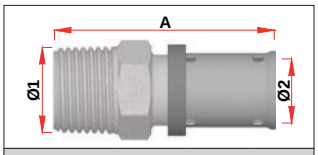
ART. 0441

CODE	A	B	C
0441 BO	60	12	10-20
0441 NO	60	12	10-20
0441 NL	60	12	10-20
0441 BL	60	12	10-20
0441 CL	60	12	10-20



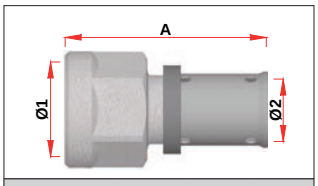
ART. 8875

CODE	Ø1	Ø2	A	B	C	D
8875 1210	1/2"	15	7	101	89	112
8875 1220	1/2"	15	7	201	189	212



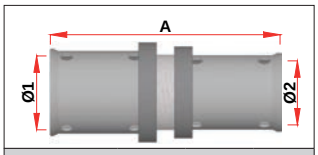
ART. 5900

CODE	Ø1	Ø2	A
59001401	1/2”	14x2	53
59001601	1/2”	16x2	53
59001602	1/2”	16x2,25	53
59001801	1/2”	18x2	53
59001802	3/4”	18x2	55
59002001	1/2”	20x2	53
59002002	3/4”	20x2	55
59002003	1/2”	20x2,25	53
59002004	3/4”	20x2,25	55
59002005	1/2”	20x2,5	53
59002006	3/4”	20x2,5	55
59002501	3/4”	25x2,5	60
59002502	1”	25x2,5	63
59002601	3/4”	26x3	60
59002602	1”	26x3	63
59003201	1”	32x3	63
59003202	1”1/4	32x3	66
59003203	3/4”	32x3	60
59004001	1”	40x3,5	73
59004002	1”1/4	40x3,5	76
59004003	1”	40x4	75
59004004	1”1/4	40x4	75
59005001	1”1/4	50x4	79
59005002	1”1/4	50x4,5	79
59005003	1”1/2	50x4	80
59005004	1”1/2	50x4,5	80
59006301	2”	63x4,5	108



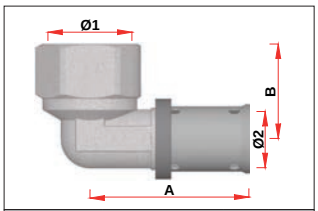
ART. 5901

CODE	Ø1	Ø2	A
59011401	1/2”	14x2	50
59011601	1/2”	16x2	50
59011602	1/2”	16x2,25	50
59011801	1/2”	18x2	50
59011802	3/4”	18x2	51
59012001	1/2”	20x2	50
59012002	3/4”	20x2	51
59012003	1/2”	20x2,25	50
59012004	3/4”	20x2,25	51
59012005	1/2”	20x2,5	50
59012006	3/4”	20x2,5	51
59012501	3/4”	25x2,5	56
59012502	1”	25x2,5	59
59012601	3/4”	26x3	56
59012602	1”	26x3	59
59013201	1”	32x3	59
59013202	1”1/4	32x3	62
59013203	3/4”	32x3	56
59014001	1”	40x3,5	65
59014002	1”1/4	40x3,5	72
59014003	1”	40x4	64
59014004	1”1/4	40x4	71
59015001	1”1/4	50x4	72
59015002	1”1/4	50x4,5	72
59015003	1”1/2	50x4	76
59015004	1”1/2	50x4,5	76
59016301	2”	63x4,5	100



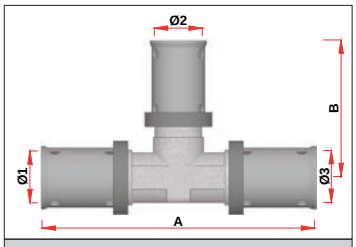
ART. 5903

CODE	Ø1	Ø2	A
59031801	18x2	16x2	56
59032001	20x2	16x2	56
59032002	20x2	18x2	56
59032003	20x2,5	16x2	56
59032004	20x2,5	18x2	56
59032005	20x2,5	16x2,25	56
59032006	20x2,25	16x2	56
59032007	20x2,25	18x2	56
59032008	20x2,5	20x2	60
59032009	20x2,5	20x2,25	60
59032010	20x2	14x2	56
59032011	20x2	20x2,25	56
59032501	25x2,5	16x2	64
59032502	25x2,5	18x2	64
59032503	25x2,5	20x2	64
59032504	25x2,5	20x2,5	64
59032505	25x2,5	20x2,25	64
59032601	26x3	16x2	64
59032602	26x3	18x2	64
59032603	26x3	20x2	64
59032604	26x3	20x2,5	64
59032605	26x3	20x2,25	64
59032606	26x3	25x2,5	65
59033201	32x3	16x2	64
59033202	32x3	18x2	64
59033203	32x3	20x2	64
59033204	32x3	20x2,5	64
59033205	32x3	25x2,5	68
59033206	32x3	26x3	68
59033207	32x3	20x2,25	64
59034001	40x3,5	25x2,5	78
59034002	40x3,5	26x3	78
59034003	40x3,5	32x3	78
59035001	50x4	32x3	79
59035002	50x4	40x3,5	89
59036301	63x4,5	32x3	104
59036302	63x4,5	40x3,5	114
59036303	63x4,5	50x4	117



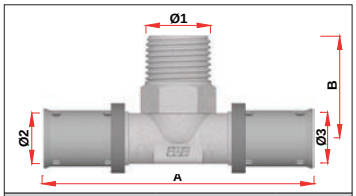
ART. 5905

CODE	Ø1	Ø2	A	B
59051401	1/2”	14x2	43	26
59051601	1/2”	16x2	43	26
59051602	1/2”	16x2,25	43	26
59051801	1/2”	18x2	43	26
59051802	3/4”	18x2	47	29
59052001	1/2”	20x2	43	26
59052002	3/4”	20x2	47	29
59052003	1/2”	20x2,25	43	26
59052004	3/4”	20x2,25	47	29
59052005	1/2”	20x2,5	43	26
59052006	3/4”	20x2,5	47	29
59052501	3/4”	25x2,5	53	29
59052502	1”	25x2,5	55	36
59052601	3/4”	26x3	53	29
59052602	1”	26x3	55	36
59053201	1”	32x3	56	36
59053202	1”1/4	32x3	61	43
59053203	3/4”	32x3	53	33
59054001	1”1/4	40x3,5	72	43
59054002	1”1/4	40x4	72	43
59055001	1”1/2	50x4	80	44
59055002	1”1/2	50x4,5	80	44
59056301	2”	63x4,5	114	59



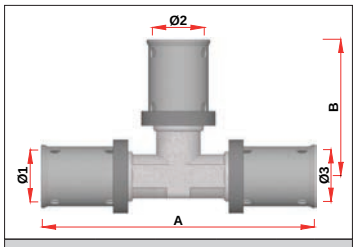
ART. 5909

CODE	Ø1	Ø2	Ø3	A	B
59091601	16x2	14x2	16x2	82	41
59091801	18x2	16x2	18x2	86	43
59092001	20x2	16x2	20x2	86	43
59092002	20x2	18x2	20x2	86	43
59092003	20x2,5	16x2	20x2,5	86	43
59092004	20x2,5	18x2	20x2,5	86	43
59092005	20x2,5	16x2,25	20x2,5	86	43
59092006	20x2,25	16x2	20x2,25	87	44
59092007	20x2,25	18x2	20x2,25	87	44
59092008	20x2	14x2	20x2	86	43
59092501	25x2,5	16x2	25x2,5	103	51
59092502	25x2,5	18x2	25x2,5	103	51
59092503	25x2,5	20x2	25x2,5	103	51
59092504	25x2,5	20x2,5	25x2,5	103	51
59092505	25x2,5	20x2,25	25x2,5	103	51
59092601	26x3	16x2	26x3	103	51
59092602	26x3	18x2	26x3	103	51
59092603	26x3	20x2	26x3	103	51
59092604	26x3	20x2,5	26x3	103	51
59092605	26x3	20x2,25	26x3	103	51
59092606	26x3	16x2,25	26x3	103	51
59093201	32x3	16x2	32x3	108	53
59093202	32x3	18x2	32x3	108	53
59093203	32x3	20x2	32x3	108	53
59093204	32x3	20x2,5	32x3	108	53
59093205	32x3	20x2,25	32x3	108	53
59093206	32x3	25x2,5	32x3	108	53
59093207	32x3	26x3	32x3	108	53
59094001	40x3,5	32x3	40x3,5	135	60
59094002	40x4	32x3	40x4	136	60
59094003	40x3,5	26x3	40x3,5	135	58
59094004	40x4	25x2,5	40x4	136	58
59095001	50x4	26x3	50x4	161	66
59095002	50x4	32x3	50x4	161	65
59095003	50x4	40x3,5	50x4	161	78
59095004	50x4,5	25x2,5	50x4,5	161	66
59095005	50x4,5	32x3	50x4,5	161	65
59095006	50x4,5	40x4	50x4,5	161	78



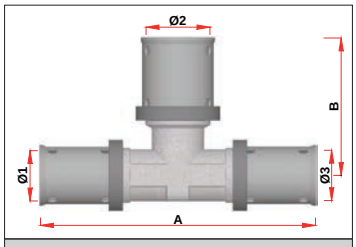
ART. 5913

CODE	Ø1	Ø2	Ø3	A	B
59131601	1/2”	16x2	16x2	85	32
59131602	1/2”	16x2,25	16x2,25	86	32
59131801	1/2”	18x2	18x2	87	32
59131802	3/4”	18x2	18x2	93	36
59132001	1/2”	20x2	20x2	87	32
59132002	3/4”	20x2	20x2	94	36
59132003	1/2”	20x2,25	20x2,25	87	32
59132004	3/4”	20x2,25	20x2,25	94	36
59132005	1/2”	20x2,5	20x2,5	87	32
59132006	3/4”	20x2,5	20x2,5	94	36
59132501	3/4”	25x2,5	25x2,5	105	36
59132502	1”	25x2,5	25x2,5	110	41
59132601	3/4”	26x3	26x3	105	36
59132602	1”	26x3	26x3	110	41
59133201	1”	32x3	32x3	111	41
59133202	1”1/4	32x3	32x3	121	47
59134001	1”1/4	40x3,5	40x3,5	142	47
59134002	1”1/4	40x4	40x4	142	47
59135001	1”1/2	50x4	50x4	161	57
59135002	1”1/2	50x4,5	50x4,5	161	57



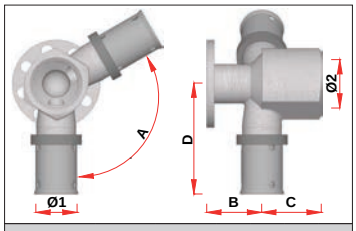
ART. 5908

CODE	Ø1	Ø2	Ø3	A	B
59081401	14x2	14x2	14x2	82	41
59081601	16x2	16x2	16x2	82	41
59081602	16x2,25	16x2,25	16x2,25	83	42
59081801	18x2	18x2	18x2	86	43
59082001	20x2	20x2	20x2	86	43
59082002	20x2,25	20x2,25	20x2,25	87	44
59082003	20x2,5	20x2,5	20x2,5	87	44
59082501	25x2,5	25x2,5	25x2,5	103	52
59082601	26x3	26x3	26x3	103	52
59083201	32x3	32x3	32x3	109	55
59084001	40x3,5	40x3,5	40x3,5	136	68
59084002	40x4	40x4	40x4	136	68
59085001	50x4	50x4	50x4	160	80
59085002	50x4,5	50x4,5	50x4,5	160	80
59086301	63x4,5	63x4,5	63x4,5	227	113



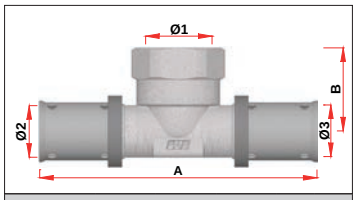
ART. 5910

CODE	Ø1	Ø2	Ø3	A	B
59101601	16x2	20x2	16x2	86	43
59101602	16x2	20x2,25	16x2	86	43
59101603	16x2	20x2,5	16x2	86	43
59101604	16x2,25	20x2	16x2,25	86	43
59101605	16x2,25	20x2,25	16x2,25	86	43
59101606	16x2,25	20x2,5	16x2,25	86	43
59101607	16x2	26x3	16x2	101	52
59101608	16x2	25x2,5	16x2	101	52
59101801	18x2	25x2,5	18x2	101	52
59101802	18x2	26x3	18x2	101	52
59102001	20x2	26x3	20x2	101	52
59102002	20x2,25	26x3	20x2,25	101	52
59102003	20x2,5	26x3	20x2,5	101	52
59102004	20x2,25	25x2,5	20x2,25	101	52
59102501	25x2,5	32x3	25x2,5	105	55
59102601	26x3	32x3	26x3	105	55
59103201	32x3	40x3,5	32x3	111	68
59103202	32x3	40x4	32x3	111	68



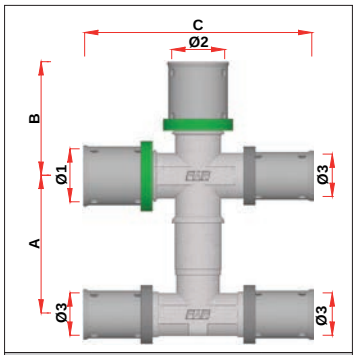
ART. 5916

CODE	Ø1	Ø2	A	B	C	D
59161601	16x2	1/2”	120°	24	26	48
59161602	16x2,25	1/2”	120°	24	26	48
59161801	18x2	1/2”	120°	24	26	48
59162001	20x2	1/2”	120°	24	26	48
59162002	20x2,25	1/2”	120°	24	26	48
59162003	20x2,5	1/2”	120°	24	26	48



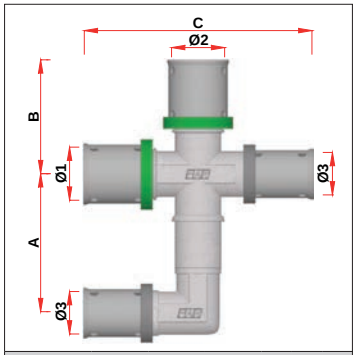
ART. 5912

CODE	Ø1	Ø2	Ø3	A	B
59121601	1/2"	16x2	16x2	85	26
59121602	1/2"	16x2,25	16x2,25	86	26
59121801	1/2"	18x2	18x2	87	26
59121802	3/4"	18x2	18x2	93	29
59122001	1/2"	20x2	20x2	87	26
59122002	3/4"	20x2	20x2	94	29
59122003	1/2"	20x2,25	20x2,25	87	26
59122004	3/4"	20x2,25	20x2,25	94	29
59122005	1/2"	20x2,5	20x2,5	87	26
59122006	3/4"	20x2,5	20x2,5	94	29
59122501	3/4"	25x2,5	25x2,5	105	29
59122502	1"	25x2,5	25x2,5	110	36
59122601	3/4"	26x3	26x3	105	29
59122602	1"	26x3	26x3	110	36
59123201	1"	32x3	32x3	111	36
59123202	1"1/4	32x3	32x3	121	43
59124001	1"1/4	40x3,5	40x3,5	142	43
59124002	1"1/4	40x4	40x4	142	43
59125001	1"1/2	50x4	50x4	161	44
59125002	1"1/2	50x4,5	50x4,5	161	44
59126301	3/4"	63x4,5	63x4,5	195	50
59126302	1"	63x4,5	63x4,5	195	49
59126303	1"1/4	63x4,5	63x4,5	208	58
59126304	1"1/2	63x4,5	63x4,5	208	58
59126305	2"	63x4,5	63x4,5	208	58



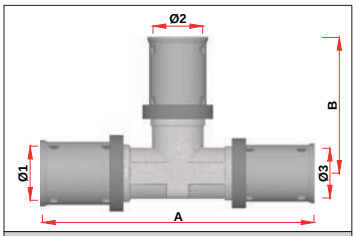
ART. 5923

CODE	Ø1	Ø2	Ø3	A	B	C
59232001	20x2,5	20x2,5	16x2	52	43	86
59232002	20x2	20x2	16x2	52	43	86
59232003	20x2,25	20x2,25	16x2,25	52	43	86
59232601	20x2,5	26x3	16x2	52	51	92
59232602	20x2	26x3	16x2	52	51	92



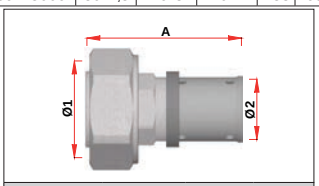
ART. 5924

CODE	Ø1	Ø2	Ø3	A	B	C
59242001	20x2,5	20x2,5	16x2	52	43	86
59242002	20x2	20x2	16x2	52	43	86
59242003	20x2,25	20x2,25	16x2,25	52	43	86
59242601	20x2,5	26x3	16x2	52	51	92
59242602	20x2	26x3	16x2	52	51	92



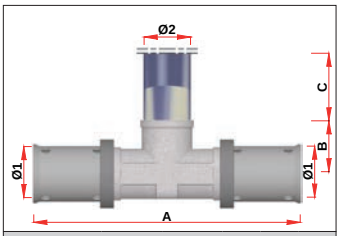
ART. 5911

CODE	Ø1	Ø2	Ø3	A	B
59111801	18x2	16x2	16x2	86	43
59111802	18x2	18x2	16x2	86	43
59112001	20x2	16x2	16x2	86	43
59112002	20x2	18x2	18x2	86	43
59112003	20x2	20x2	16x2	86	43
59112004	20x2,5	16x2	16x2	86	43
59112005	20x2,5	18x2	18x2	86	43
59112006	20x2,5	20x2,5	16x2	86	43
59112007	20x2,5	16x2,25	16x2,25	86	43
59112008	20x2,25	16x2	16x2	87	43
59112009	20x2,25	18x2	18x2	87	43
59112010	20x2,25	20x2,25	16x2	87	44
59112011	20x2,25	20x2,25	18x2	87	44
59112012	20x2	26x3	16x2	101	51
59112013	20x2,5	20x2,5	16x2,25	86	43
59112014	20x2	20x2	18x2	86	43
59112015	20x2,5	20x2,5	18x2	86	43
59112501	25x2,5	20x2	20x2	102	51
59112502	25x2,5	20x2,5	20x2,5	102	52
59112503	25x2,5	25x2,5	20x2	101	52
59112504	25x2,5	25x2,5	20x2,25	102	52
59112505	25x2,5	16x2	16x2	101	51
59112506	25x2,5	18x2	18x2	102	51
59112507	25x2,5	20x2,25	20x2,25	102	51
59112601	26x3	20x2	20x2	102	51
59112602	26x3	20x2,5	20x2,5	102	51
59112603	26x3	26x3	20x2	101	52
59112604	26x3	26x3	20x2,5	102	52
59112605	26x3	16x2	16x2	102	51
59112606	26x3	18x2	18x2	102	51
59112607	26x3	16x2	20x2	102	51
59112608	26x3	20x2	16x2	102	51
59112609	26x3	26x3	16x2	101	52
59112610	26x3	26x3	18x2	102	51
59112611	26x3	20x2.5	16x2	102	51
59112612	26x3	16x2	20x2,5	102	51
59113201	32x3	25x2,5	25x2,5	107	54
59113202	32x3	26x3	26x3	107	54
59113203	32x3	32x3	20x2	105	55
59113204	32x3	32x3	20x2,5	105	55
59113205	32x3	32x3	25x2,5	106	55
59113206	32x3	32x3	26x3	106	55
59113207	32x3	20x2	26x3	107	53
59113208	32x3	20x2,5	20x2,5	105	53
59113209	32x3	32x3	20x2,25	104	54
59113210	32x3	20x2	20x2	96	48
59113211	32x3	20x2,25	20x2,25	97	48
59114001	40x3,5	32x3	32x3	124	59
59114002	40x4	32x3	32x3	124	59
59115001	50x4	40x3,5	40x3,5	158	78
59115002	50x4	32x3	40x3,5	158	65
59115003	50x4	26x3	40x3,5	158	66
59115004	50x4,5	40x4	40x4	158	78
59115005	50x4,5	32x3	40x4	158	66
59115006	50x4,5	26x3	40x4	158	65



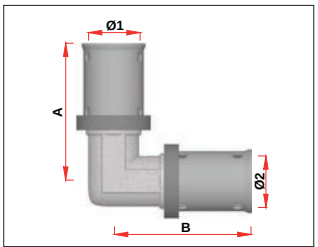
ART. 5915-5918

CODE	Ø1	Ø2	A
59151601	24x19	16x2	49
59152001	24x19	20x2	49
59182001	M33x1,5	20x2	55
59182501	M33x1,5	25x2,5	60
59182601	M33x1,5	26x3	60



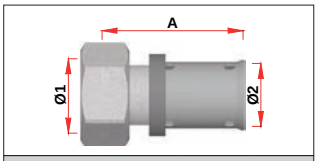
ART. 5921

CODE	Ø1	Ø2	A	B	C
5921140125	14x2	15	86	17	250
5921160125	16x2	15	86	17	250
5921160225	16x2,25	15	86	17	250
5921180125	18x2	15	86	17	250
5921200125	20x2	15	86	17	250
5921200225	20x2,25	15	86	17	250
5921200325	20x2,5	15	86	17	250



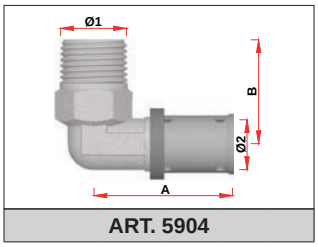
ART. 5906

CODE	Ø1	Ø2	A	B
59061401	14x2	14x2	41	41
59061601	16x2	16x2	41	41
59061602	16x2,25	16x2,25	42	42
59061801	18x2	18x2	43	43
59062001	20x2	20x2	43	43
59062002	20x2,25	20x2,25	43	43
59062003	20x2,5	20x2,5	43	43
59062501	25x2,5	25x2,5	52	52
59062601	26x3	26x3	52	52
59063201	32x3	32x3	55	55
59064001	40x3,5	40x3,5	69	69
59064002	40x4	40x4	68	68
59065001	50x4	50x4	82	82
59065002	50x4,5	50x4,5	82	82
59066301	63x4,5	63x4,5	114	114



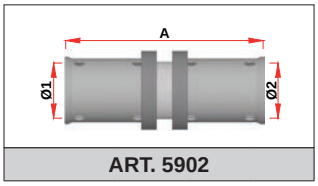
ART. 5919

CODE	Ø1	Ø2	A
59191601	1/2" TP	16x2	40
59191602	1/2" TP	16x2,25	40
59191603	3/4" TP	16x2	43
59191604	3/4" TP	16x2,25	43
59191801	1/2" TP	18x2	40
59191802	3/4" TP	18x2	43
59192001	1/2" TP	20x2	40
59192002	1/2" TP	20x2,25	40
59192003	1/2" TP	20x2,5	40
59192004	3/4" TP	20x2	43
59192005	3/4" TP	20x2,25	43
59192006	3/4" TP	20x2,5	43
59192501	1" TP	25x2,5	50
59192502	3/4" TP	25x2,5	51
59192601	1" TP	26x3	50
59192602	3/4" TP	26x3	51
59193201	1" TP	32x3	53
59194001	1" TP	40x3,5	67
59194002	1"1/4 TP	40x4	64
59195002	1"1/2 TP	50x4,5	66
59196301	2" TP	63x4,5	98
59196302	2" TP	63x6	90



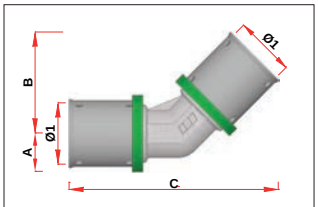
ART. 5904

CODE	Ø1	Ø2	A	B
59041401	1/2"	14x2	43	32
59041601	1/2"	16x2	43	32
59041602	1/2"	16x2,25	43	32
59041801	1/2"	18x2	43	32
59041802	3/4"	18x2	47	36
59042001	1/2"	20x2	43	32
59042002	3/4"	20x2	47	36
59042003	1/2"	20x2,25	43	32
59042004	3/4"	20x2,25	47	36
59042005	1/2"	20x2,5	43	32
59042006	3/4"	20x2,5	47	36
59042501	3/4"	25x2,5	53	36
59042502	1"	25x2,5	55	41
59042601	3/4"	26x3	53	36
59042602	1"	26x3	55	41
59043201	1"	32x3	56	41
59043202	1"1/4	32x3	61	47
59043203	3/4"	32x3	53	40
59044001	1"1/4	40x3,5	72	47
59044002	1"1/4	40x4	72	47
59045001	1"1/2	50x4	80	57
59045002	1"1/2	50x4,5	80	57
59046301	2"	63x4,5	114	73



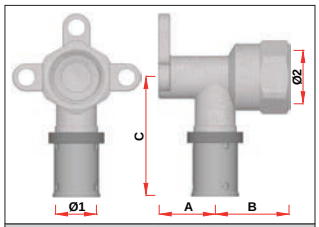
ART. 5902

CODE	Ø1	Ø2	A
59021401	14x2	14x2	56
59021601	16x2	16x2	56
59021602	16x2,25	16x2,25	56
59021701	17x2	17x2	56
59021801	18x2	18x2	56
59022001	20x2	20x2	56
59022002	20x2,25	20x2,25	56
59022003	20x2,5	20x2,5	56
59022501	25x2,5	25x2,5	66
59022601	26x3	26x3	66
59023201	32x3	32x3	66
59024001	40x3,5	40x3,5	94
59024002	40x4	40x4	92
59025001	50x4	50x4	96
59025002	50x4,5	50x4,5	98
59026301	63x4,5	63x4,5	136



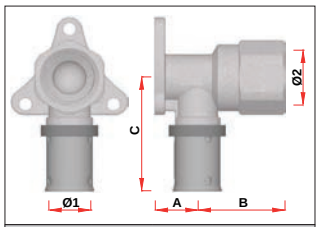
ART. 5907

CODE	Ø1	A	B	C
59072501	25x2,5	16	42	88
59072601	26x3	16	42	88
59073201	32x3	20	45	92
59074001	40x3,5	24	60	123
59074002	40x4	24	60	123
59075001	50x4	29	67	135
59075002	50x4,5	29	67	135
59076301	63x4,5	35	89	183



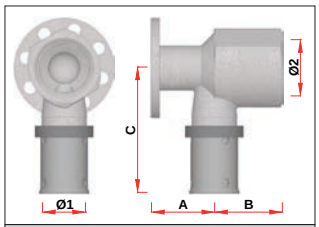
ART. 5927

CODE	Ø1	Ø2	A	B	C
59271601	16x2	1/2”	23	30	48
59271602	16x2,25	1/2”	23	30	48
59271801	18x2	1/2”	23	30	48
59272001	20x2	1/2”	23	30	48
59272002	20x2,25	1/2”	23	30	48
59272003	20x2,5	1/2”	23	30	48



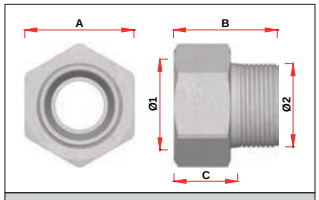
ART. 5914

CODE	Ø1	Ø2	A	B	C
59141601	16x2	1/2”	17	34	44
59141602	16x2,25	1/2”	17	34	44
59141801	18x2	1/2”	17	34	44
59141802	18x2	3/4”	20	29	48
59142001	20x2	1/2”	17	34	44
59142002	20x2	3/4”	20	29	48
59142003	20x2,25	1/2”	17	34	44
59142004	20x2,25	3/4”	20	29	48
59142005	20x2,5	1/2”	17	34	44
59142006	20x2,5	3/4”	20	29	48
59142501	25x2,5	3/4”	20	29	52
59142601	26x3	3/4”	20	29	52



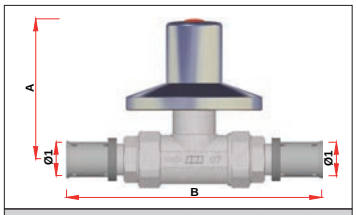
ART. 5917

CODE	Ø1	Ø2	A	B	C
59171601	16x2	1/2”	24	26	48
59171602	16x2,25	1/2”	24	26	48
59171801	18x2	1/2”	24	26	48
59172001	20x2	1/2”	24	26	48
59172002	20x2,25	1/2”	24	26	48
59172003	20x2,5	1/2”	24	26	48



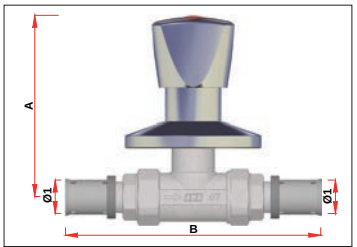
ART. 5050-5060-5805

CODE	Ø1	Ø2	A	B	C
5050-5060 38	3/8”	24x19	26	26	16
5050-5060 12	1/2”	24x19	26	28	17
5050-5060 34	3/4”	24x19	31	30	18
5050-5060 1	1”	24x19	38	31	20
5805 12	1/2”	1/2”	24	27	17
5805 34	3/4”	3/4”	31	30	19



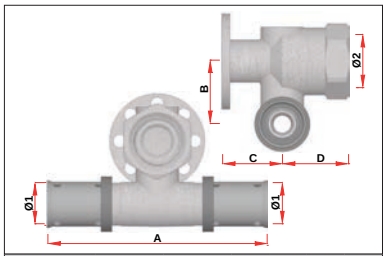
ART. 5961-5971

CODE	Ø1	A	B
59611601-59711601	16x2	72	132
59611602-59711602	16x2,25	72	136
59611801-59711801	18x2	72	136
59612001-59712001	20x2	72	132
59612002-59712002	20x2,25	72	136
59612003-59712003	20x2,5	72	133
59612501	25x2,5	82	148
59612601-59712601	26x3	82	148
59613201-59712602	32x3	82	152



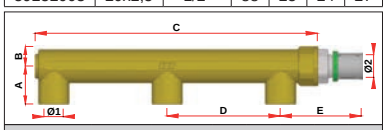
ART. 5963-5973

CODE	Ø1	A	B
59631601-59731601	16x2	96	132
59631801-59731801	18x2	96	136
59632001-59732001	20x2	96	133
59632003-59732003	20x2,5	96	133
59632601-59732601	26x3	102	148
59633201-59733201	32x3	102	152



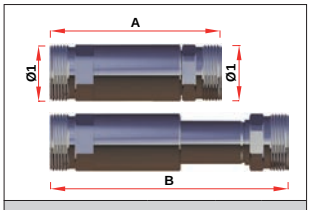
ART. 5925

CODE	Ø1	Ø2	A	B	C	D
59251601	16x2	1/2”	88	25	24	27
59251602	16x2,25	1/2”	88	25	24	27
59251801	18x2	1/2”	88	25	24	27
59252001	20x2	1/2”	88	25	24	27
59252002	20x2,25	1/2”	88	25	24	27
59252003	20x2,5	1/2”	88	25	24	27



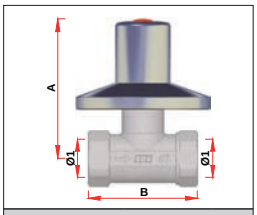
ART. 5930

CODE	Ø1	Ø2	A	B	C	D	E
59302003	1/2”	20x2,5	35	17	250	100	72
59302601	1/2”	26x3	35	17	250	100	76



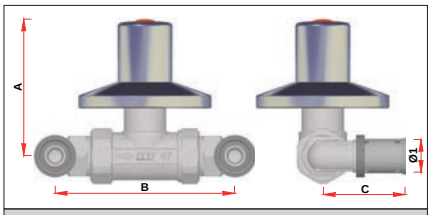
ART. 8880

CODE	Ø1	A	B
8880 30	24x19	72	101



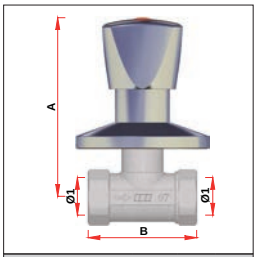
ART. 5960-5970

CODE	Ø1	A	B
5960-5970 12	1/2”	72	58
5960-5970 34	3/4”	82	62



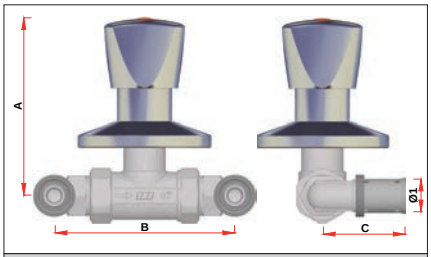
ART. 5962-5972

CODE	Ø1	A	B	C
59621601-59721601	16x2	72	94	43
59621801-59721801	18x2	72	94	44
59622001	20x2	72	94	44
59622003-59722003	20x2,5	72	94	44
59622501	25x2,5	82	103	64
59622601-59722601	26x3	82	103	64



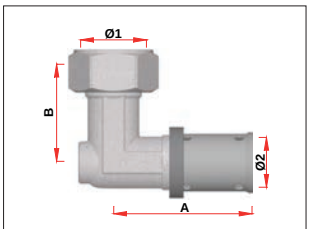
ART. 5964-5974

CODE	Ø1	A	B
5964-5974 12	1/2”	96	58
5964-5974 34	3/4”	102	62



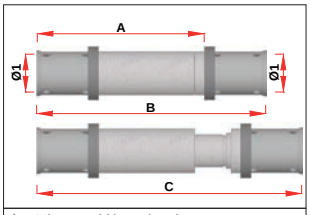
ART. 5965-5975

CODE	Ø1	A	B	C
59651601-59751601	16x2	96	94	43
59651801-59751801	18x2	96	94	44
59652003-59752003	20x2,5	96	94	44
59652601-59752601	26x3	102	103	64



ART. 5922

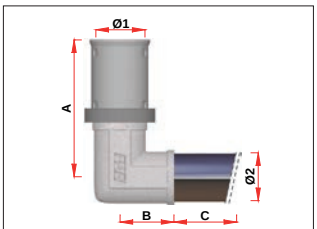
CODE	Ø1	Ø2	A	B
59221601	1/2”	16x2	43	31
59221602	3/4”	16x2	43	31
59221801	1/2”	18x2	43	31
59221802	3/4”	18x2	43	31
59222001	1/2”	20x2	43	31
59222002	3/4”	20x2	43	31
59222003	3/4”	20x2,5	43	31
59222004	1/2”	20x2,5	43	31
59222501	3/4”	25x2,5	53	36
59222502	1”	25x2,5	53	36
59222601	3/4”	26x3	53	36
59222602	1”	26x3	53	36



* = Min. cut width on the pipe

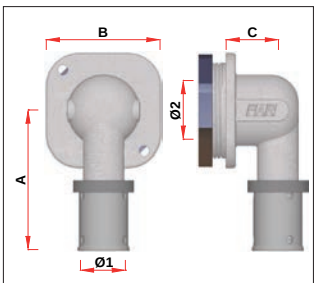
ART. 5926

CODE	Ø1	A*	B	C
59261401	14x2	70	96	123
59261601	16x2	70	96	123
59261602	16x2,25	70	96	123
59261801	18x2	70	96	123
59262001	20x2	70	96	123
59262002	20x2,25	70	96	123
59262003	20x2,5	70	96	123



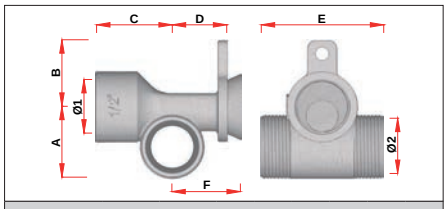
ART. 5920

CODE	Ø1	Ø2	A	B	C
5920140109	14x2	15	43	17	90
5920160109	16x2	15	43	17	90
5920160209	16x2,25	15	43	17	90
5920180109	18x2	15	43	17	90
5920200109	20x2	15	43	17	90
5920200209	20x2,25	15	43	17	90
5920200309	20x2,5	15	43	17	90
5920140124	14x2	15	43	17	240
5920160124	16x2	15	43	17	240
5920160224	16x2,25	15	43	17	240
5920180124	18x2	15	43	17	240
5920200124	20x2	15	43	17	240
5920200224	20x2,25	15	43	17	240
5920200324	20x2,5	15	43	17	240



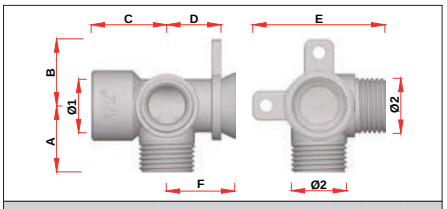
ART. 5928

CODE	Ø1	Ø2	A	B	C
59281601	16x2	1/2”	51	42	19
59281602	16x2,25	1/2”	51	42	19



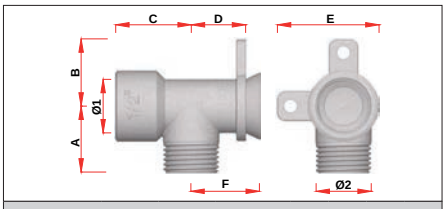
ART. 5650-5840

CODE	Ø1	Ø2	A	B	C	D	E	F
5650 12	1/2"	24x19	27	25	29	21	46	26
5840 12	1/2"	1/2"	27	25	29	21	46	26



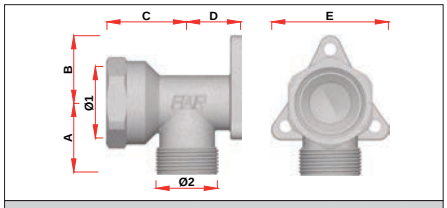
ART. 5700-5845

CODE	Ø1	Ø2	A	B	C	D	E	F
5700 12	1/2"	24x19	27	25	29	21	50	26
5845 12	1/2"	1/2"	27	25	29	21	50	26



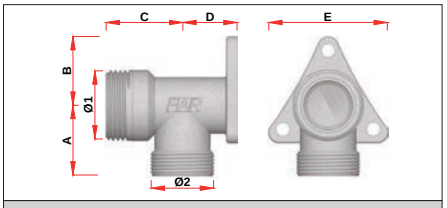
ART. 5750-5850

CODE	Ø1	Ø2	A	B	C	D	E	F
5750 12	1/2"	24x19	27	25	29	21	38	26
5850 12	1/2"	1/2"	27	25	29	21	38	26



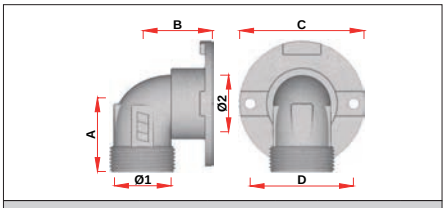
ART. 5550-5555-5830

CODE	Ø1	Ø2	A	B	C	D	E
5550-5555 12	1/2"	24x19	27	26	28	21	45
5550-5555 34	3/4"	24x19	28	26	31	21	45
5830 12	1/2"	1/2"	26	26	28	21	45



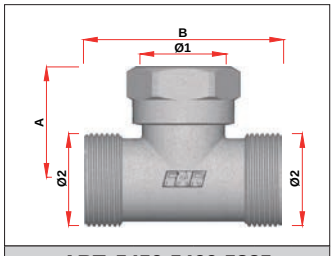
ART. 5552-5557

CODE	Ø1	Ø2	A	B	C	D	E
5552-5557 34	3/4"	24x19	27	25	29	21	46



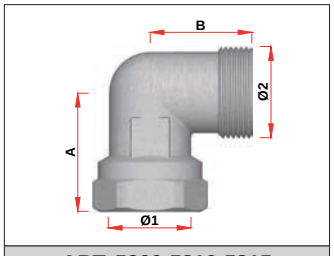
ART. 5600-5610-5835

CODE	Ø1	Ø2	A	B	C	D
5600-5610 12	24x19	1/2"	26	26	46	38
5835 12	1/2"	1/2"	26	26	46	38



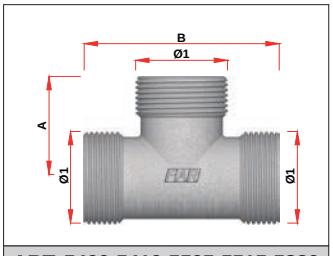
ART. 5450-5460-5825

CODE	Ø1	Ø2	A	B
5450-5460 12	1/2"	24x19	29	51
5450-5460 34	3/4"	24x19	31	55
5825 12	1/2"	1/2"	29	52



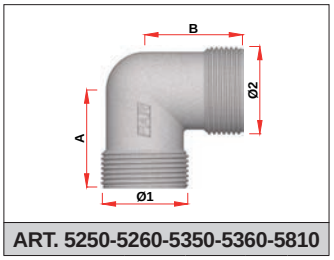
ART. 5300-5310-5815

CODE	Ø1	Ø2	A	B
5300-5310 12	1/2"	24x19	31	27
5300-5310 34	3/4"	24x19	31	27
5300-5310 1	1"	24x19	37	31
5815 12	1/2"	1/2"	31	27
5815 34	3/4"	3/4"	33	30



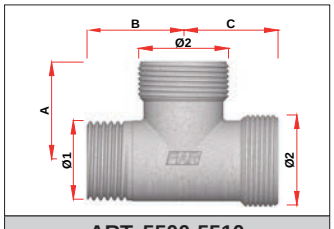
ART. 5400-5410-5505-5515-5820

CODE	Ø1	A	B
5400-5410 12	24x19	26	51
5505-5515 12	1/2"	27	51
5505-5515 34	3/4"	28	60
5505-5515 1	1"	34	68
5820 12	1/2"	27	52



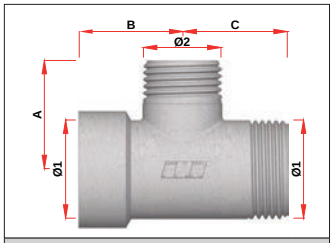
ART. 5250-5260-5350-5360-5810

CODE	Ø1	Ø2	A	B
5250-5260 12	1/2"	24x19	36	27
5250-5260 34	3/4"	24x19	31	27
5250-5260 1	1"	24x19	33	30
5350-5360 12	24x19	24x19	27	27
5810 12	1/2"	1/2"	27	27
5810 34	3/4"	3/4"	27	27



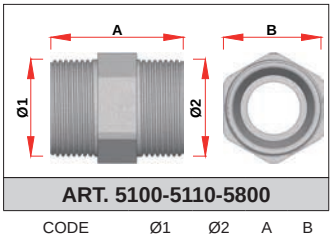
ART. 5500-5510

CODE	Ø1	Ø2	A	B	C
5500-5510 12	1/2"	24x19	27	26	25



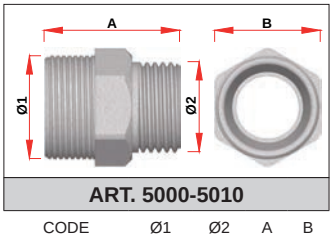
ART. 5506-5516

CODE	Ø1	Ø2	A	B	C
5506-5516 34	3/4"	1/2"	27	25	26



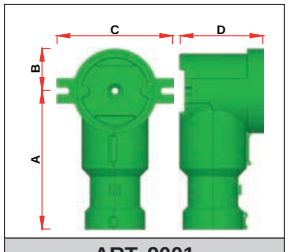
ART. 5100-5110-5800

CODE	Ø1	Ø2	A	B
5100-5110 12	24x19	24x19	33	24
5800 12	1/2"	1/2"	31	21
5800 34	3/4"	3/4"	33	27



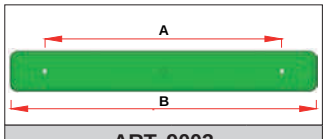
ART. 5000-5010

CODE	Ø1	Ø2	A	B
5000-5010 38	24x19	3/8"	30	24
5000-5010 12	24x19	1/2"	31	24
5000-5010 34	24x19	3/4"	33	29
5000-5010 1	24x19	1"	37	34



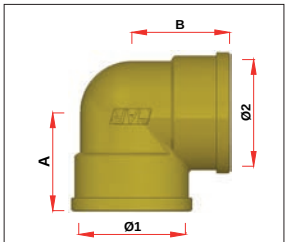
ART. 9001

CODE	A	B	C	D
9001	84	26	70	50



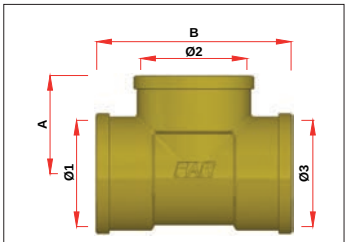
ART. 9003

CODE	B	C
9003	155	200



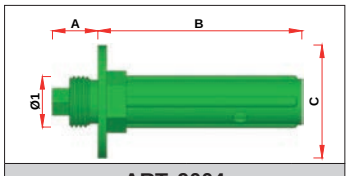
ART. 5255

CODE	Ø1	Ø2	A	B
5255 12	1/2"	1/2"	22	22
5255 34	3/4"	3/4"	26	26
5255 1	1"	1"	33	33
5255 114	1"1/4	1"1/4	40	40
5255 112	1"1/2	1"1/2	45	45
5255 2	2"	2"	51	51



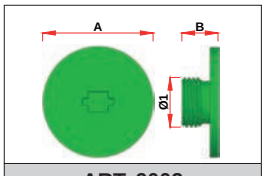
ART. 5405

CODE	Ø1	Ø2	Ø3	A	B
5405 12	1/2"	1/2"	1/2"	22	44
5405 34	3/4"	3/4"	3/4"	26	52
5405 1	1"	1"	1"	33	66
5405 114	1"1/4	1"1/4	1"1/4	40	80
5405 112	1"1/2	1"1/2	1"1/2	45	90
5405 2	2"	2"	2"	51	102



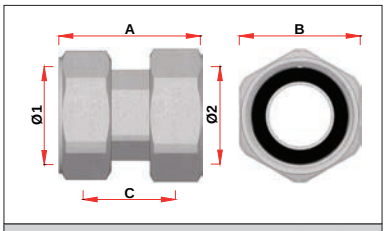
ART. 9004

CODE	Ø1	A	B	C
9004	1/2"	19	83	46



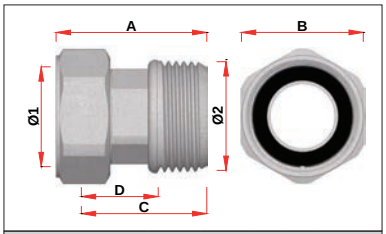
ART. 9002

CODE	Ø1	A	B
9002	1/2"	46	15



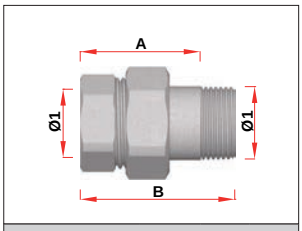
ART. 8311-8321

CODE	Ø1	Ø2	A	B	C
8311-8321 12	1/2”	1/2”	38	26	25
8311-8321 3412	3/4”	1/2”	42	30	22
8311-8321 34	3/4”	3/4”	41	31	27
8311-8321 134	1”	3/4”	45	37	24
8311-8321 1	1”	1”	45	38	29
8311-8321 1141	1”1/4	1”	54	47	31
8311-8321 114	1”1/4	1”1/4	52	48	33
8311-8321 112114	1”1/2	1”1/4	57	54	33
8311-8321 112	1”1/2	1”1/2	54	55	34
8311-8321 2112	2”	1”1/2	63	73	35
8311-8321 2	2”	2”	61	68	39



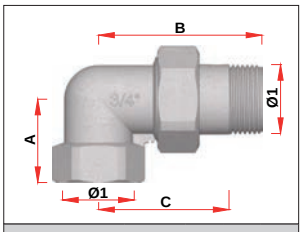
ART. 8313-8323

CODE	Ø1	Ø2	A	B	C	D
8313-8323 12	1/2”	1/2”	38	25	34	21
8313-8323 3412	3/4”	1/2”	37	30	31	18
8313-8323 34	3/4”	3/4”	42	30	36	22
8313-8323 134	1”	3/4”	40	37	34	22
8313-8323 1	1”	1”	46	38	39	24
8313 128	1”	1”	36	38	28	20
8313 130	1”	1”	39	38	30	22
8313 158	1”	1”	65	38	58	44
8313 160	1”	1”	69	38	60	48
8313-8323 1141	1”1/4	1”	47	47	39	23
8313-8323 114	1”1/4	1”1/4	55	47	48	30
8313-8323 112114	1”1/2	1”1/4	51	54	42	24
8313-8323 112	1”1/2	1”1/2	56	54	48	30
8313-8323 2112	2”	1”1/2	55	68	45	26
8313-8323 2	2”	2”	64	68	56	34



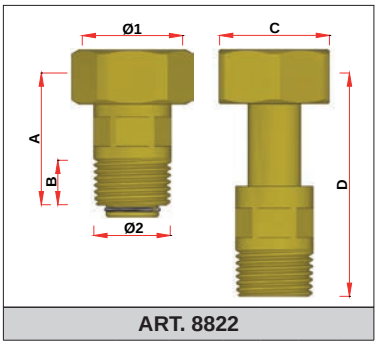
ART. 5140-5150

CODE	Ø1	A	B
5140-5150 38	3/8”	33	43
5140-5150 12	1/2”	39	52
5140-5150 34	3/4”	44	56
5140-5150 1	1”	47	64
5140-5150 114	1”1/4	55	73
5140-5150 112	1”1/2	60	77
5140-5150 2	2”	67	89



ART. 5190-5200

CODE	Ø1	A	B	C
5190-5200 38	3/8”	21	45	35
5190-520012	1/2”	25	54	42
5190-5200 34	3/4”	32	62	50
5190-5200 1	1”	37	72	57
5190-5200 114	1”1/4	46	83	69
5190-5200 112	1”1/2	54	90	72
5190-5200 2	2”	61	105	83



ART. 8822

CODE	Ø1	Ø2	A	B	C	D
8822 3412TP	3/4”	1/2”	35	13	30	60
8822 134TP	1”	3/4”	35	14	37	60

GENERAL TERMS OF SALE

ORDERS

All orders are subject to confirmation by us and, therefore, do not commit us to the delivery, even partial, of the ordered material.

PRICES

In general, prices are considered to be not binding.
Refer to the terms set out in each offer issued by us.

FORWARDING

All goods travel at the buyer's risk and peril, even if delivered free. We are not liable for any delays, damages or shortages that may occur during delivery. Complaints must be addressed by the buyer to the shipping companies, or other forwarding agents.

GUARANTEE

All our products have a three-year guarantee starting from the date of purchase at our factory. This guarantee binds us only to the replacement of the faulty pieces, which must be returned to our factory and does not cover any consequential damage, or reimbursement of expenses. Also, we are absolutely not responsible for faults arising from any tampering with materials supplied by us during their installation, or utilization.

CLAIMS

No complaints will be considered after three days from the receipt of the goods.

RETURNS

No article may be returned without our clear approval; authorized returns must arrive at the factory, where subject to our decision on each individual case, free carriage and 80% of their net sale price will be acknowledged, with the exception of any expense charged for customer carelessness.
Return of material will be accepted if we consider them faulty even if the purchase dates back to over one year from the date of purchase, but only explicitly authorized by us.

PAYMENT

The terms are those set in our offers, or during negotiations with customers. In case of default in payment at maturity, a 10% interest will be added plus the official rate of discount and, furthermore, the seller will have the right to interrupt any other delivery, without prior notice, considering all the other orders in progress to be cancelled.
The competent court for any controversy is the Court of Novara.

DISCOUNT

_____

_____

_____

_____

ASSICURAZIONE CONTRO I RISCHI
DI RESPONSABILITA' CIVILE

I PRODOTTI FAR SONO ASSICURATI DA:

REALE MUTUA

REALE MUTUA ASSICURAZIONI

Sede Legale e Direzione Generale: Via Corte d'Appello, 11 - 10122 Torino - Italia

secondo le normative E.C.E. legge 24558 N. 224
del 24/05/1988 riguardanti le responsabilità del fabbricante per
qualsiasi danno derivante da prodotti difettosi

NOTES

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www.far.eu - **export@far.eu** -Second factory: Via Brughiere, 44 - 28017 - San Maurizio d'Opaglio (NO)