

Thermostatic head art. T 5005



The use of thermostatic valves makes each room independent, giving the option of individual temperature adjustment, more comfortable conditions and considerable energy saving, as required by national and international standards. The temperature of the room is regulated by a thermostatic element connected to the valve actuation, controlling the flow of hot water to the heating body on the basis of room temperature. **T 5005** thermostatic head features a liquid expansion-element thermostat and allows to limit or lock the setting to the desired position.

■ TECHNICAL FEATURES

Liquid expansion thermostat

Setting range: $6.5 \div 28$ °C

Hysteresis: 0.4 K

Response time (Z): 28 min

Water temperature effect (W): 0.45 K

CA (Control Accuracy) = 0.2 K

Storage temperature: $-20 \div +50$ °C

Max heat transfer fluid temperature: 100 °C

Possibility of limiting and blocking the setting.

The intermediate setting is '3'.

■ MATERIALS

Knob: ABS

Head body: PC and ABS blend

Limiting and locking washer: 30 % glass-filled PA

Ring nut: CW617N brass

Safety device:

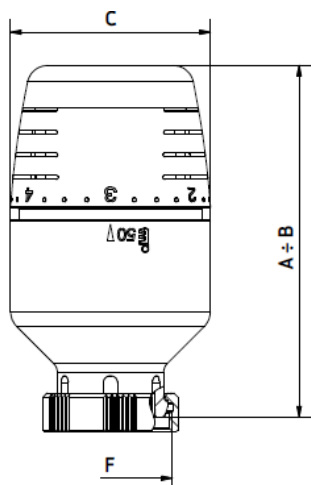
- cartridge and spindle: POM

- spring: spring steel wire DIN 17223 class D

Liquid expansion thermostat

Colour: RAL 9010

■ DIMENSIONS



ART.	COD.	A	B	C	F
T 5005	591142	83	88	50	M30×1.5

■ OPERATING INSTRUCTIONS

Installation

To mount the head, proceed as follows:

- Remove the adjustment cover (i) in Fig. 1a;
- Place the setting on '5';
- Fit the head to body, by manually screwing the ring down.

Limiting and locking the setting

- Set the head in the required position (e.g., '3');
- Use a screwdriver to disassemble the cover (ii), the locking cap (iii) and the first of the toothed washer (iv) represented in Fig. 1b;
- Reassemble the washer (iv) as in Fig. 1c if you want to limit the setting from * to '3';
- Reassemble the washer (iv) as in Fig. 1d if you want to lock the setting to value '3';
- Reassemble the locking cap (iii) and the cover (ii).

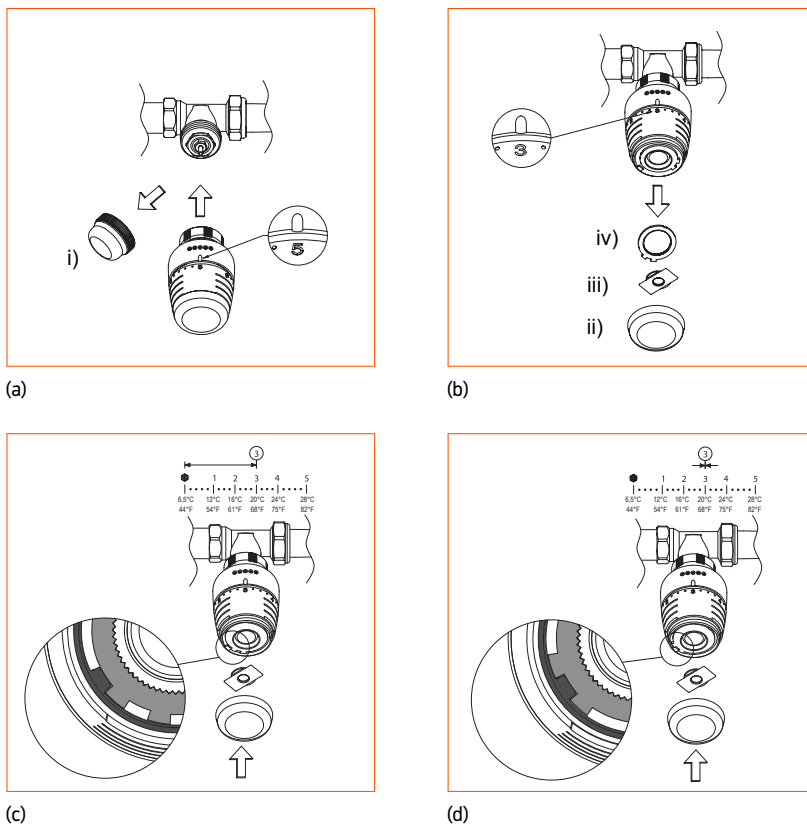


Fig. 1: Head installation and regulation setting and locking.

■ NOTES

For the circuit to work properly, we recommend that thermostatic valves are used in combination with variable-speed pumps. To avoid excessive noise, avoid using thermostatic valves with Δp values higher than 0.2-0.25 bar.

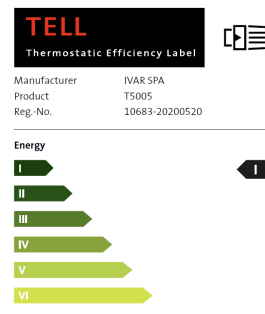
CERTIFICATIONS

Thermostatic head **T 5005** is manufactured in compliance with European standard EN 215:2019.



System certification for thermostatic head **T 5005** cod. 591142 + thermostatic valves VD 2101 cod. 500439-500440-500308, VS 2102 cod. 500500-500501-500309, VD 2103 cod. 500476, VS 2104 cod. 500515, VD 2105 cod. 500473, VS 2106 cod. 500805, VD 2101N cod. 500888-500459-500383, VS 2102N cod. 500870-500513-500384, VD 2103N cod. 500477, VS 2104N cod. 500516, VD 2105N cod. 500474, and VS 2106N cod. 500806.

Thermostatic head **T 5005** also obtained TELL (Thermostatic Efficiency Label) in class I.



I.V.A.R. S.p.A.

Via IV Novembre, 181

25080 Prevalle (BS) – ITALY

T. +39 030 68028 – F. +39 030 6801329

info@ivar-group.com – www.ivar-group.com

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