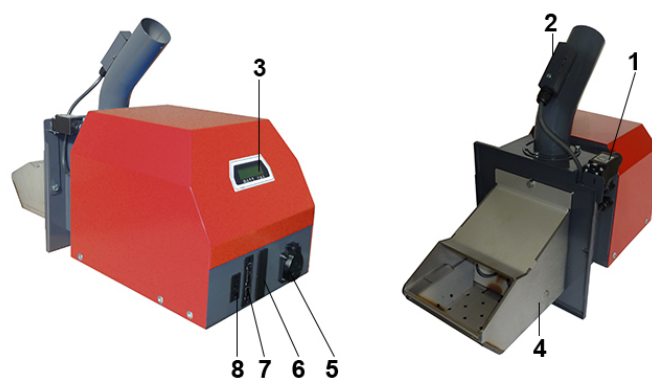


# ATMOS A25 (SP) burner



1 – End switch

2 – Safety thermostat 95 °C  
(55 °C for models DxxPX, Pxx)

3 – Display of the electronic unit of the burner

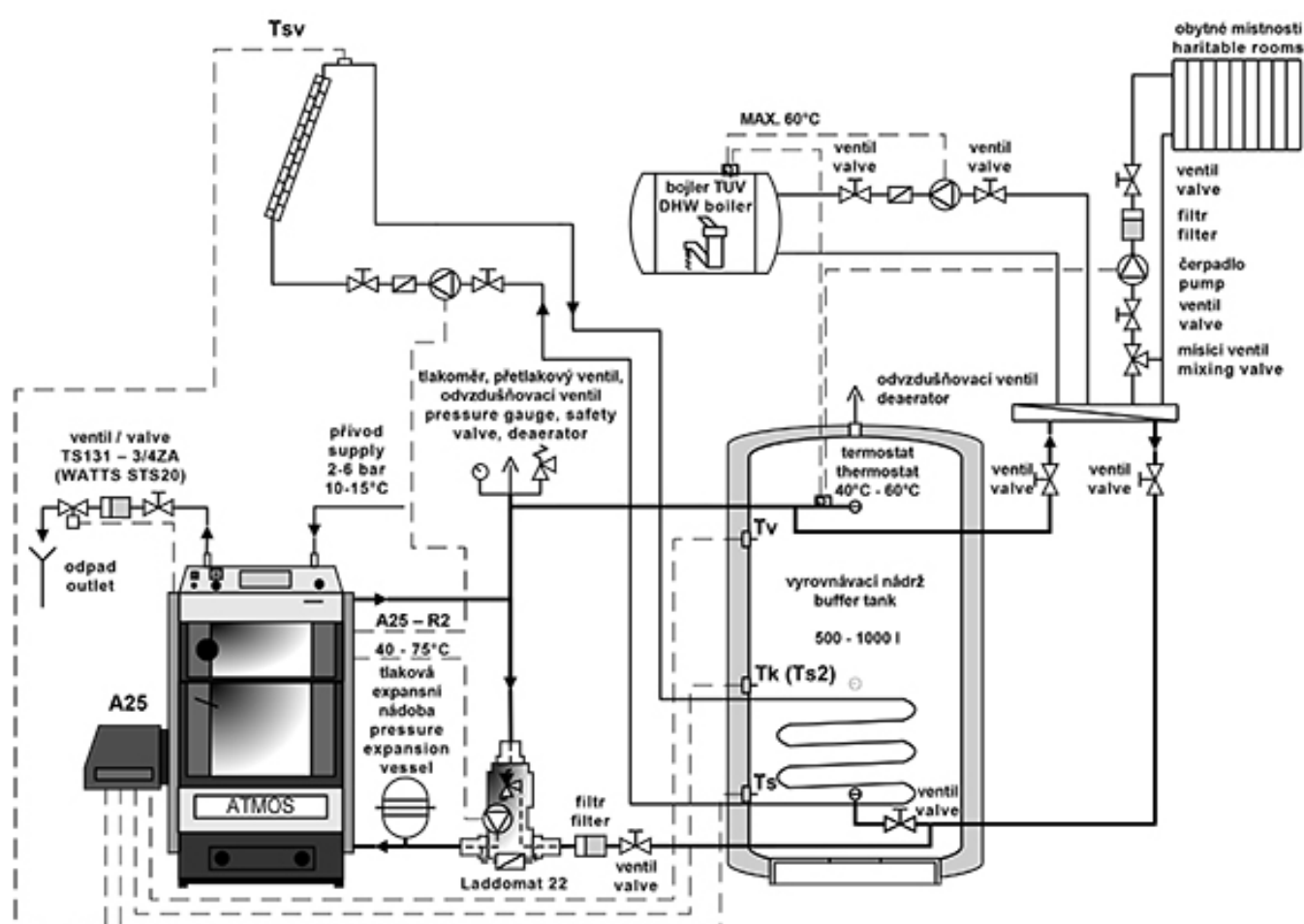
4 – Combustion chamber (mouth) of the burner

5 – Socket for the external conveyor

6 – connector for interconnection cable between  
the boiler and the burner (power cable)

7 – connector for connection of TS, TV, TK  
and TSV sensors

8 – connector for additional cable (R3 and R4) –  
only for SP burner version



Connection of boilers DxxP, Pxx, with a buffer tank with solar heating for burner control on the basis of TS, TK and TV sensors (automatic sensor switching function), function of controlling the solar pump based on TSV and TS temperatures

**Power supply:** 230 V / 50 Hz

**Maximum power input at the start with one ignition element:** 522 W – normal setting

**Maximum power input at the start with two ignition elements:** 1042 W – special functions

**Average power input at the nominal heat input operation:** 42 W

**Average power input at the minimum heat input operation:** 22 W

**Average heat input in the standby mode:** 3.3 W

**Prescribed fuse protection of the burner with the boiler:** 6.3 A

**Acoustic pressure level (noisiness):** 54 dB

**Burner weight:** 15 kg (17 kg A25SP)

**Burner dimensions, WxHxD:** 25 x 47 x 55 cm

**The burner is designed for:**

ATMOS D14P, D15P, D20P, D21P, D25P, D14P Compact, D21P Compact, D25P Compact,

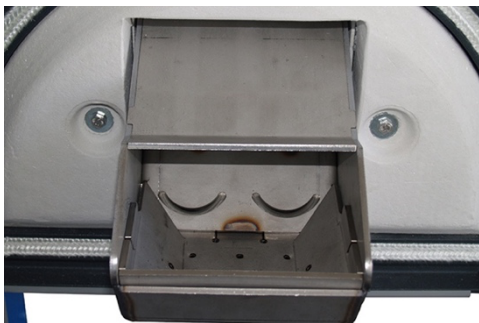
D10PX, D15PX, D20PX, D25PX

DC15EP, DC18SP, DC25SP, DC30SPX, DC32SP

C18SP, C25SP, AC25SP, AC35SP, KC25SP, KC35SP and gasification boilers with a modification for installation of a pellet burner into the top door, equipped with an extraction fan with an output of up to 40 kW,

DCxxS(X), DCxxRS, CxxS(ST), ACxxS a KCxxS

For the A25 burner DA1500 external shaftless conveyors with the length of 1,5 m, DA2000 conveyors with the length of 2 m, DA2500 conveyors with the length of 2,5 m, DA3000 conveyors with the length of 3 m and the DA4000 conveyor with the length of 4 m, all with the diameter of 75 mm, are designed.



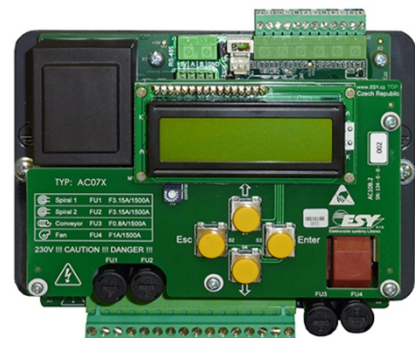
Combustion chamber of the burner



Flame from the burner in the boiler

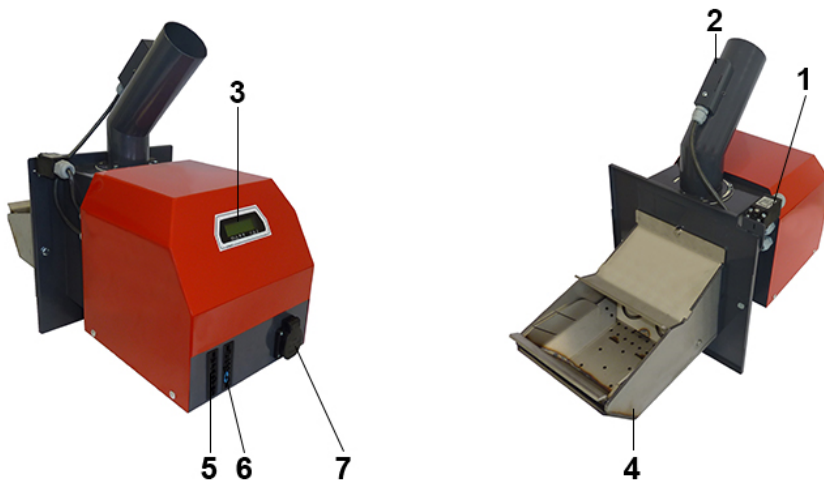


Connectors



Burner control unit

## ATMOS A45 burner



- 1 – End switch

- 2 – Safety thermostat 95 °C

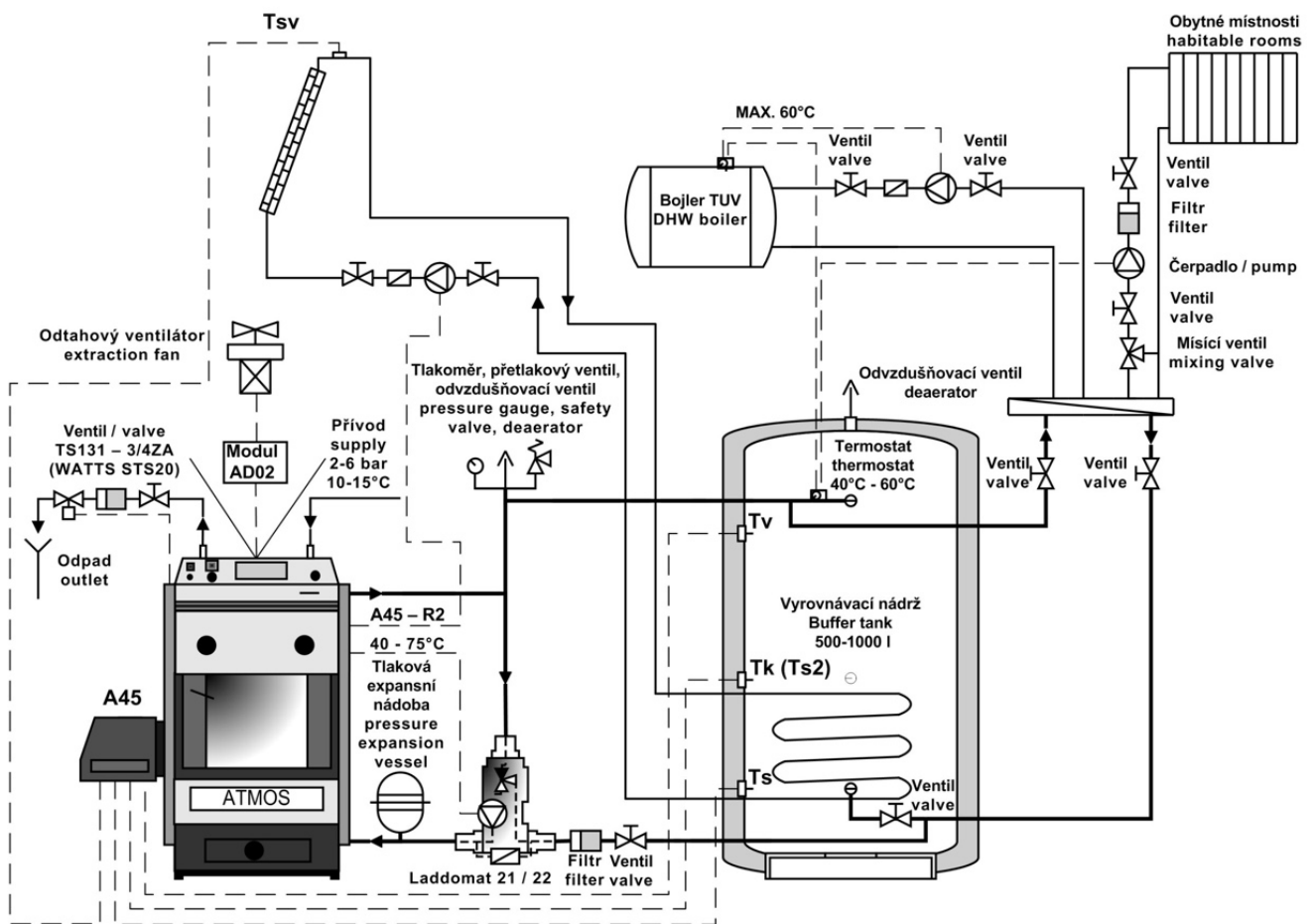
- ### 3 – Display of the electronic unit of the burner

- #### 4 – Combustion chamber (mouth) of the burner

- 5 – Connector for interconnection cable between the boiler and the burner

- ## 6 – Connector for connection of TS, TV, TK and TSV sensors

- ### 7 – Socket for the external conveyor



Connection of boilers DxxP with a buffer tank with solar heating for burner control on the basis of TS, TK and TV sensors (automatic sensor switching function), function of controlling the solar pump based on TSV and TS temperatures

**Power supply:** 230 V / 50 Hz

**Maximum power input at the start with one ignition element:** 480 W – normal setting

**Maximum power input at the start with two ignition elements:** 1042 W – special functions

**Average power input at the nominal heat input operation:** 47 W

**Average power input at the minimum heat input operation:** 29 W

**Average heat input in the standby mode:** 3.3 W

**Prescribed fuse protection of the burner with the boiler:** 6.3 A

**Acoustic pressure level (noisiness):** 47 dB

**Burner weight:** 23 kg (26 kg DC40SPT)

**Burner dimensions, WxHxD:** 31 x 55 x 66 cm (31 x 52 x 76 cm DC40SPT)

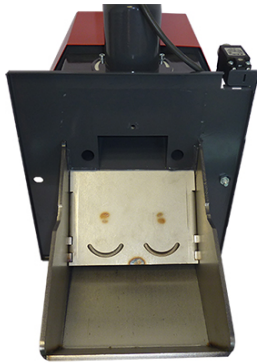
The burner is designed for:

ATMOS D30P, D31P, D40P, D50P

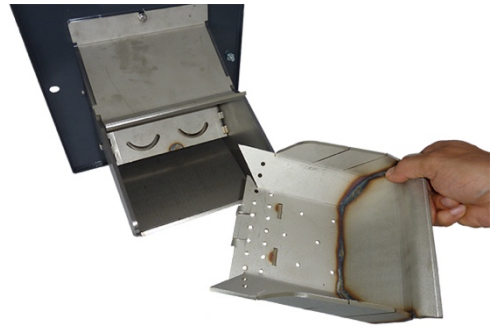
ATMOS DC50S with modification for pellet burner

ATMOS DC40SPT

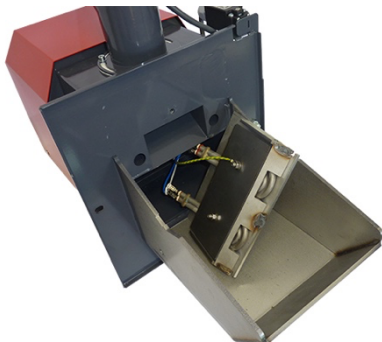
For the A45 burner DRA50 external shaft conveyors with the length of 1,7 m, 2,5 m, 4 m and 5 m with the diameter of 80 mm.



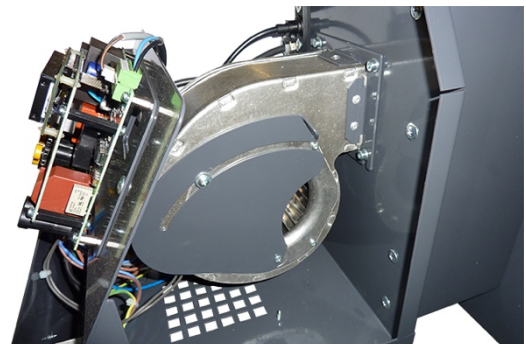
Uncovered combustion chamber with openings behind which the ignition spirals are installed



Removable combustion chamber – must be regularly cleaned

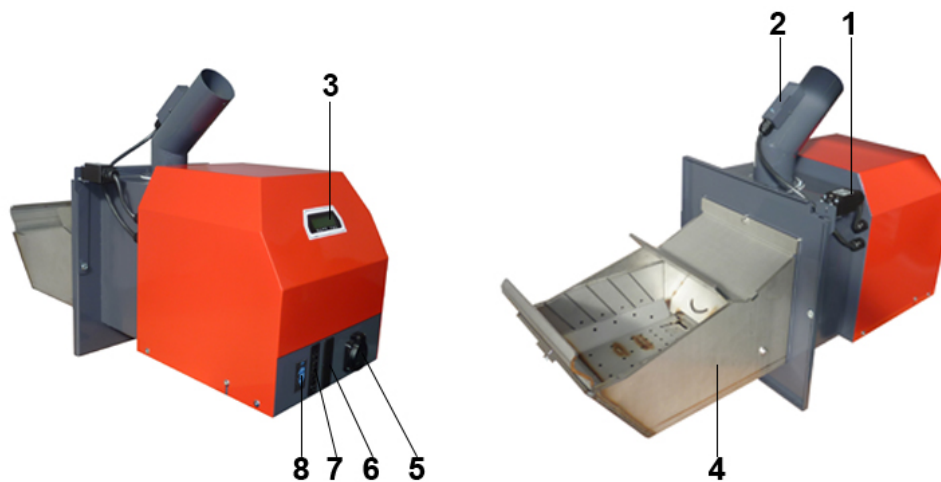


Disassembled plate with the ignition spirals



Burner fan with an air flap

# ATMOS A85 burner



1 – End switch

2 – Safety thermostat 95 °C

3 – Display of the electronic unit

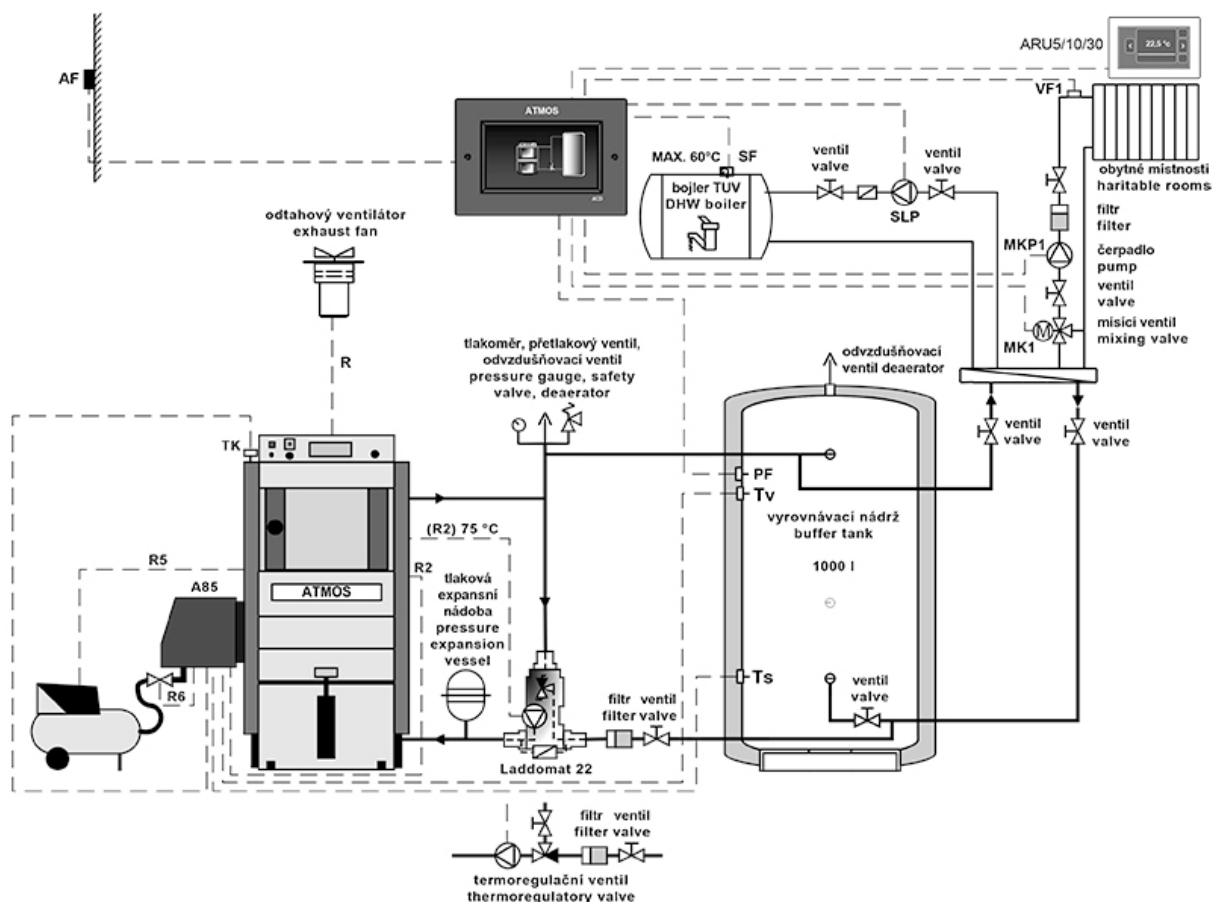
4 – Combustion chamber (mouth) of the burner

5 – Socket for the external conveyor

6 – Connector for interconnection cable between the boiler and the burner

7 – Connector for connection of TS, TV, TK and TSV sensors

8 – connector for connecting speed sensor of boiler's exhaust fan



Connection of the D85P boiler with a buffer tank for burner control according to the TS and TV sensor and independent control of the heating circuit by electronic regulation ACD 03/04



**Burner power:** 27 – 89 kW

**Power supply:** 230 V / 50 Hz

**Maximum power input at the start with one ignition element:** 490 W – normal setting

**Maximum power input at the start with two ignition elements:** 1052 W – special functions

**Average power input at the nominal heat input operation:** 72 W

**Average power input at the minimum heat input operation:** 43 W

**Average heat input in the standby mode:** 3.3 W

**Prescribed fuse protection of the burner with the boiler:** 6.3 A

**Acoustic pressure level (noisiness):** 59 dB

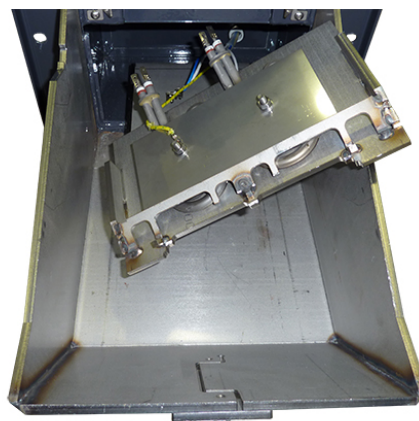
**Burner weight:** 46 kg

**Burner dimensions, WxHxD:** 37 x 59 x 89 cm

For the A85 burner DRA50 external shaft conveyors with the length of 1,7 m, 2,5 m, 4 m and 5 m with the diameter of 80 mm.



Connectors



Disassembled plate with the ignition spirals



CP85KS kit for A85 burner with compressor for pneumatic cleaning of the burner



Disassembled plate with the ignition spirals