

OPERATION AND MAINTENANCE DOCUMENTATION

FOR
THE BOILER OF
“JUHAS”
TYPE



2. Technical data

Technical data of JUHAS boilers

BOILER TYPE	Unit of measure	JUHAS 6	JUHAS 8	JUHAS 10	JUHAS 12	JUHAS 15	JUHAS 20	JUHAS 25	JUHAS 30	JUHAS 40
Nominal Power	kW	6	8	10	12	15	20	25	30	40
Output power range	kW	2-6	3-8	4-10	5-12	7-15	12-20	16-25	21-30	30-40
Heating surface	m ²	0,6	0,8	1,1	1,3	1,6	2,1	2,6	3,2	4,3
Heated room surface	m ²	60	80	100	115	130	180	230	280	380
Max. operating pressure	MPa	0,15								
Required flue gas draft	Pa	18	20	20	22	24	26	26	28	28
Furnace dimensions* width/depth/height	mm	250/225/245	250/275/245	250/327/280	250/352/282	300/402/282	300/502/338	350/552/340	400/552/340	500/552/421
Dimensions of the door used to load fuel width x height	mm	250x168	250x168	250x168	250x168	300x188	300x188	350x188	400x188	500x188
Water temperature [min./max.]	°C	55/90								
Boiler weight	kg	145	158	205	220	237	272	300	335	415
Boiler water capacity	l	32	38	46	50	56	68	82	98	115
Min. chimney height	m	5	6	6	7	7	8	8	9	10
Boiler efficiency	%	80								
Flue dimensions	ø	ø130			ø180					
Supply and return diameter	in	6/4"								
Power consumption by controller **	W	-								
Power consumption by fan **	W	-								

* Presented dimensions refer to the water grate chamber

** Optional equipment, not included in the basic version of the boiler.

Tab. 1 Technical specification of JUHAS boilers

Parameters specified above are approximate values and they may slightly change due to technological modifications.

NOTE!

Only boilers of nominal power from 10 kW to 40 kW are equipped with ash removal system!

3. Construction of the boiler

The boiler has been designed with accordance with the latest technological achievements. The combustion of coal takes place on the water grate.

The boiler has large, easy to use, combustion chamber. In boilers of JUHAS type it is possible to install additional fan and the controller.

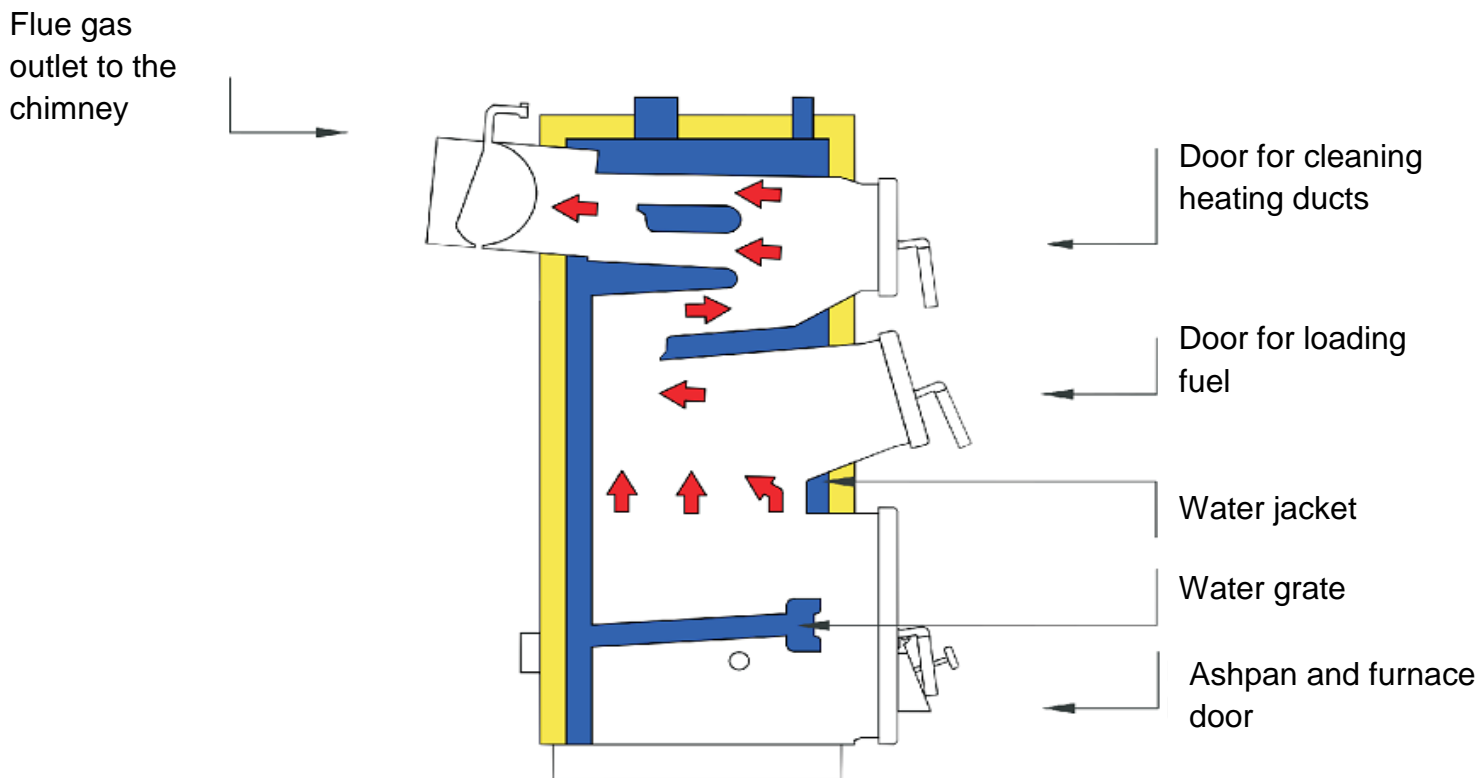


Fig. 1 Boiler cross-section

4. Installation guidelines

The boiler is supplied as assembled. Prior to the boiler alignment and connection to the central heating system and the chimney flue, it must be checked whether all sub-assemblies are operational, and whether the boiler has full equipment necessary to its operation and cleaning (see tab. 2).

NOTE!

While assembling the fan, it is important to close the air inlet, located in the door, with the plug.

	Specification	Amount
1	Liquid thermometer	1
2	Ash scraper	1
3	Technical and maintenance documentation	1
4	Warranty Card	1

Tab. 2 List of additional equipment

Installation of the boiler must be carried out by an authorized person, who is familiar with the boiler operating instructions. It is the user's obligation to ensure that the boiler installation is carried out in accordance with the binding regulations. The installation company should issue a written guarantee on their work.

Chimney ducts are not covered by manufacturer's warranty.

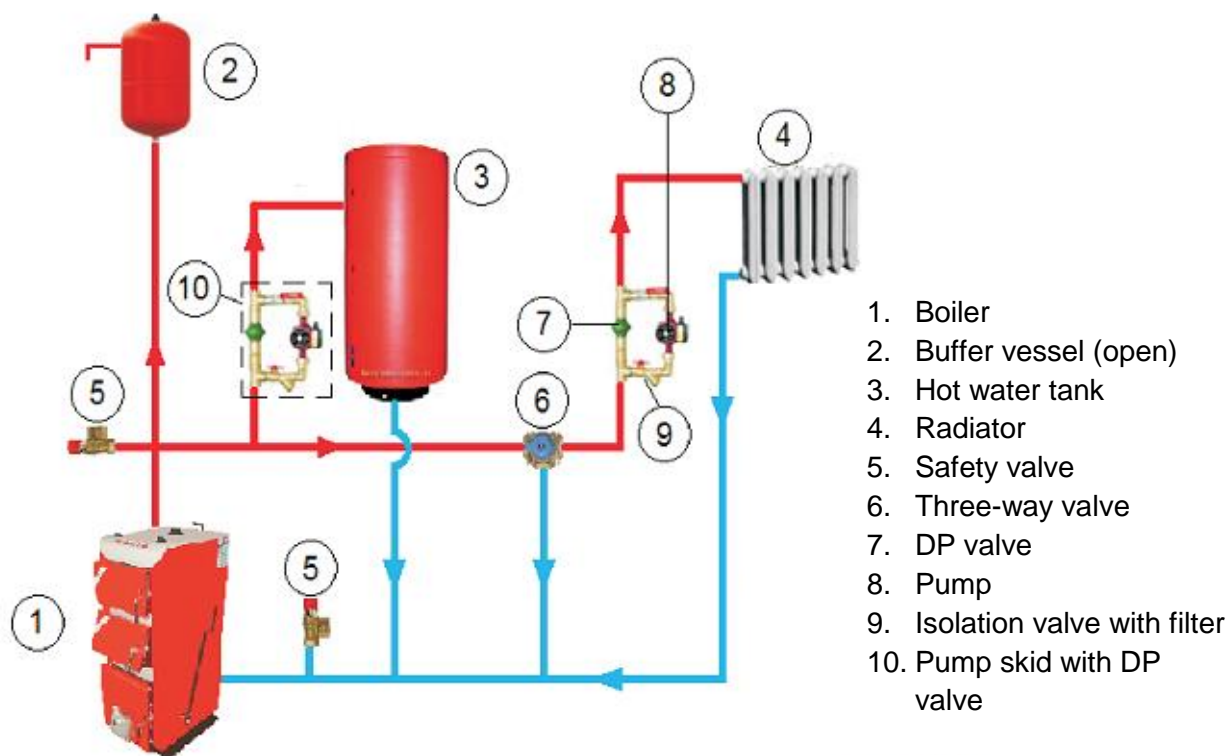


Fig. 2 Boiler connection diagram

4.5 Filling the boiler with water

The boiler can be filled up with water from water supply system (through the boiler's drain cock) by means of a flexible hose, which should be disconnected from the boiler after filling the installation up.

NOTE!

The installation must meet all norms and regulations concerning the security of water heating devices working in open systems of the country in which it is being used.