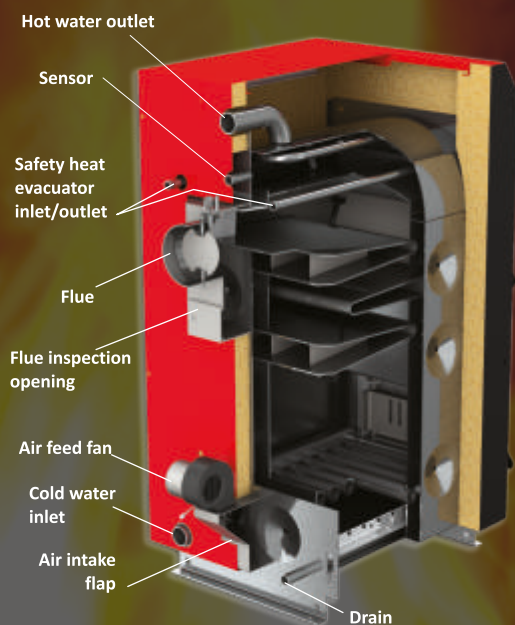
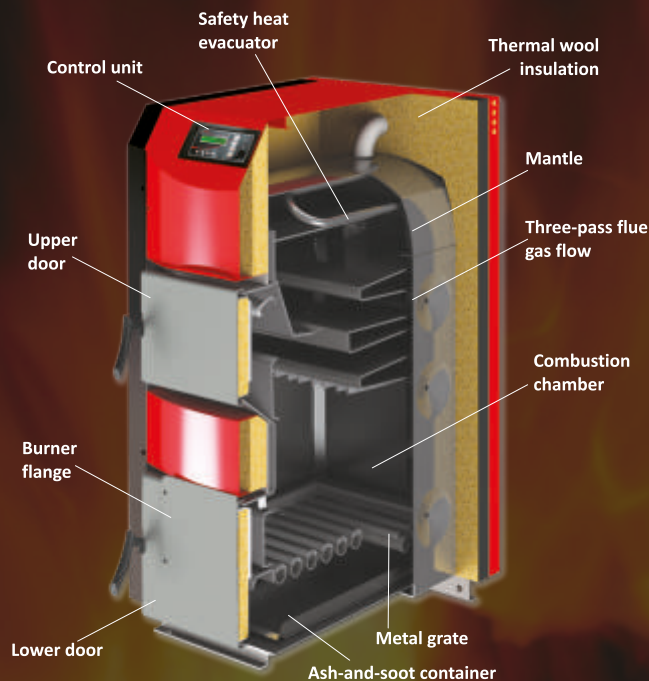


Wood-fired boiler BURNiT WB-S Active

Steel boiler with intelligent controller and electric fan for forced air feed. Wood-fired boilers WB-S Active range in nominal output from 20 to 110 kW to satisfy the heating demands of medium to large sized spaces. They are engineered for burning solid fuel and provide the option for fitting pellet, oil or gas-fired burners. Approved for compliance with safety norm EN - 303-5 - class 3.



Product Features

Electronic control unit controls the combustion by modulating the fan speed. Optional control of circulation pumps for central heating and DHW

Air feed fan optimizes the combustion and the fuel consumption rate

Combustion chamber with large heat exchanging surface and low chamber resistance

Large firebox door ensures easy loading even with bigger logs (length of logs up to 50 cm)

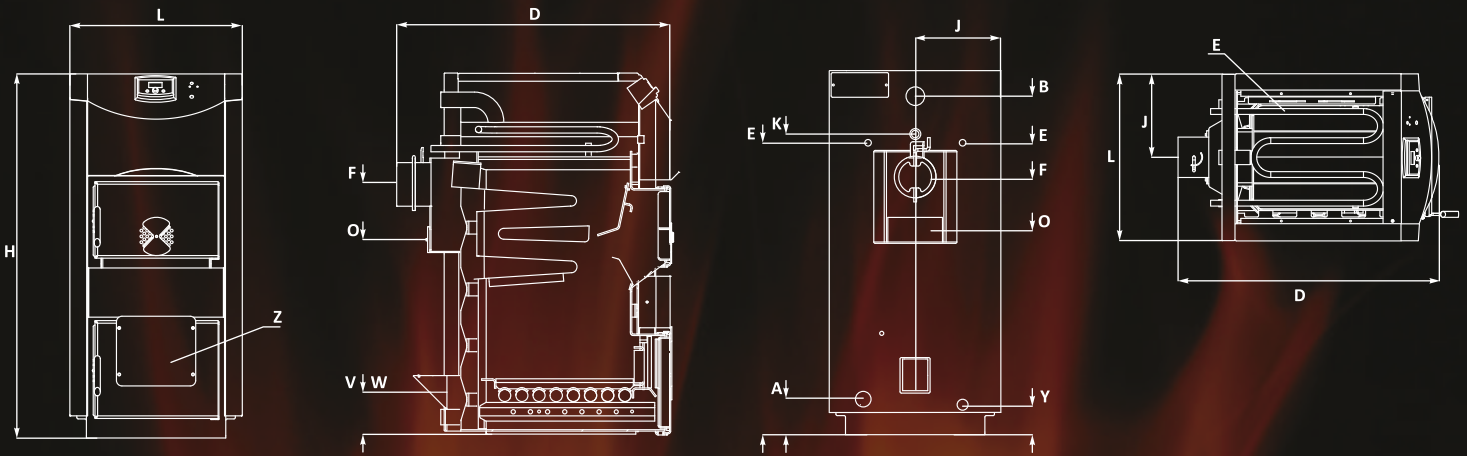
Ribbed chamber surface and three-pass flue gas flow for improved heat exchange

Burner flange on lower door for fitting pellet, oil or gas burners

Exchangeable metallic ash grate protects the pipe grid from the flame

Safety devices :

- 1) Pressure relief valve 2,5 bar incl. in the delivery set
- 2) Safety heat evacuator a tap-water-filled line passes through the upmost part of the boiler body. In case of overheating it is triggered open by a thermostatic valve (not included) to evacuate the heat off the boiler.
- 3) STB - thermostat
- 4) Air intake flap



Technical specification:

Model		WBS Active 20	WBS Active 25	WBS Active 30	WBS Active 40	WBS Active 50	WBS Active 70	WBS Active 90	WBS Active 110
Heat output	kW	20	25	30	40	50	70	90	110
Heating surface	m ²	90÷120	100÷150	120÷180	140÷250	160÷340	250÷410	350÷480	400÷650
Height H	mm	1330	1330	1330	1330	1330	1470	1470	1470
Width L/ Depth D	mm	570/970	570/1050	630/1050	730/1050	730/1100	730/1225	790/1225	850/1225
Mantle volume	L	92	100	105	118	128	141	156	171
Combustion chamber volume	L	58	62	73	84	97	120	133	160
Combustion chamber resistance	Pa/mbar	10/0.10	11/0.11	12/0.12	15/0.15	26/0.26	41/0.41	54/0.54	67/0.67
Required chimney draught	Pa/mbar	16/0.16	20/0.20	21/0.21	23/0.23	24/0.24	38/0.38	47/0.47	56/0.56
Loading door size	mm	330/250	330/250	390/250	490/310	490/310	490/310	550/310	610/310
Max. length of firewood logs	mm	400	400	400	400	500	600	600	600
Power consumption/supply	W/V/Hz	45/220/50	45/220/50	45/220/50	45/220/50	45/220/50	110/220/50	110/220/50	110/220/50
Operating temp. range/Max.temp.	°C	65÷85/95	65÷85/95	65÷85/95	65÷85/95	65÷85/95	65÷85/95	65÷85/95	65÷85/95
Operating pressure	bar	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Weight	kg	238	260	282	318	342	368	391	432
Cold water inlet	A, mm	G1½"/130	G1½"/130	G1½"/130	G1½"/130	G1½"/130	G2"/135	G2"/135	G2"/135
Hot water outlet	B, mm J, mm	G1½"/1235 285	G1½"/1235 285	G1½"/1235 315	G1½"/1235 315	G1½"/1235 365	G1½"/1380 365	G1½"/1410 395	G1½"/1410 425
Safety line sleeve	K, mm	G½"/1125	G½"/1125	G½"/1100	G½"/1125	G½"/1125	G½"/1240	G½"/1240	G½"/1250
Safety heat evacuator inlet/outlet	E, mm	R½"/1070	R½"/1070	R½"/1070	R½"/1070	R½"/1070	R½"/1210	R½"/1210	R½"/1210
Flue	F, mm	ø150/945	ø150/945	ø150/945	ø180/930	ø180/930	ø206/1055	ø206/1055	ø206/1055
Flue inspection opening	O, mm	150/70	150/70	150/70	150/70	150/70	150/70	150/70	150/70
Drain	Y, mm	G½"/110	G½"/110	G½"/110	G½"/110	G½"/110	G½"/110	G½"/125	G½"/125
Air intake flap	V, mm	277	277	277	277	277	277	277	277
Air feed fan	W, mm	277	277	277	277	277	277	277	277
Burner flange (optional)	Z, mm	ø 176	ø 176	ø 176	ø 176	ø 176	ø 176	ø 215	ø 215

NES Ltd.

12 Madara Blvd, 9700 Shumen, Bulgaria
 tel: +359 54 874 546, fax: +359 54 874 556
 e-mail: ftrade@sunsystem.bg
www.sunsystem.bg

Distributor: