



BSS FREE STANDING

120 160 200 300 400 500 600

LIKE STEAM BOILERS



The Free Standing for large production

Single coil "free standing" storage steam boilers are indirect heating boilers. They facilitate easy and abundant generation of hot water for all types of use. They may be connected to centralized systems and equipped with additional integration systems. Ideal for industrial and communal applications.

- Steel boiler enamel glazed with flow coating method (850°C);
- Frontal inspection hatch Ø 134 mm;
- Anti-corrosion anode of magnesium;
- Coil with depressed loops optimized for maximum heat exchange and reduced limescale formation;
- Recirculation connection;
- Two sensor sheaths (Tr) installed in the rear section;
- Hydraulic connections installed in the rear section;
- Outer cover in coloured plastic material (PVC);
- Adjustable feet for floor support;
- Insulation in foam polyurethane (PU) of elevated thickness without CFCs and HCFCs;
- Storage water temperature indicator;
- Integration kits available for use of spiroidal exchangers in tinned copper or heating elements in copper up to 5 kW and in stainless steel incoloy 800 up to 10 kW with mono and three-phase connections.

	Capacity	Exchange surface	Power (Δt 35k)*	D.H.W. production (Δt 35k)*	Heating time (Δt 35k)*	Pressure loss	Primary flow rate	Insulation thickness	Heat loss 65°C	Max operating temp.
	l	m ²	kW	l/h	min	mbar	m ³ /h	mm	kWh / 24 h	°C
BSS 120	120	0,60	20	491	15	119	2,0	≥ 50	1,50	95
BSS 160	160	0,85	27	663	15	182	2,0	≥ 50	1,70	95
BSS 200	200	1,00	30	737	17	223	2,0	≥ 50	2,00	95
BSS 300	300	1,40	44	1081	18	138	3,0	≥ 50	2,40	95
BSS 400	400	1,70	55	1351	19	180	3,0	≥ 50	2,80	95
BSS 500	500	2,10	63	1543	20	223	3,0	≥ 50	3,30	95
BSS 600	600	2,90	70	1720	31	75	3,0	≥ 50	3,60	95

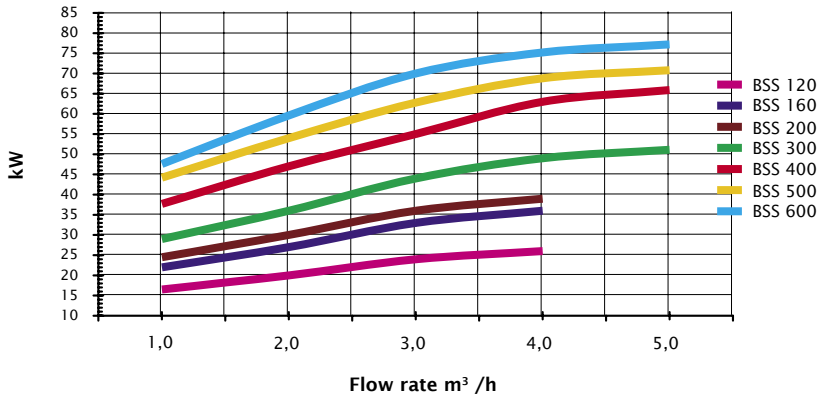
Note: *Primary temperature 80°C / Secondary 10 /45°C / Primary flow rate indicated in the table - D.H.W. = domestic hot water.

	Max operating press.	Net weight	Hydraulic connections	Heat exchanger connections	Recirculation connections	Number of sensors	A	B	C	D	E	F	G	H	L	M
	Mpa	Kg	KW-WW	PV-PR	Z	Tr	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
BSS 120	1,0	45	Rp ¾	Rp ¾	Rp ¾	2	610	620	854	150	311	414	486	571	631	720
BSS 160	1,0	57	Rp ¾	Rp ¾	Rp ¾	2	610	620	1056	150	311	416	551	701	781	922
BSS 200	1,0	66	Rp ¾	Rp ¾	Rp ¾	2	610	620	1329	150	311	486	651	801	881	1195
BSS 300	1,0	97	Rp 1	Rp 1	Rp 1	2	650	675	1560	148	338	538	828	978	1058	1408
BSS 400	1,0	123	Rp 1	Rp 1	Rp 1	2	750	775	1553	162	392	560	782	932	1012	1387
BSS 500	1,0	144	Rp 1	Rp 1	Rp 1	2	750	775	1818	162	392	554	932	1082	1162	1652
BSS 600	1,0	220	Rp 1¼	Rp 1¼	Rp 1	2	808	833	1749	140	370	533	910	1270	1350	1630

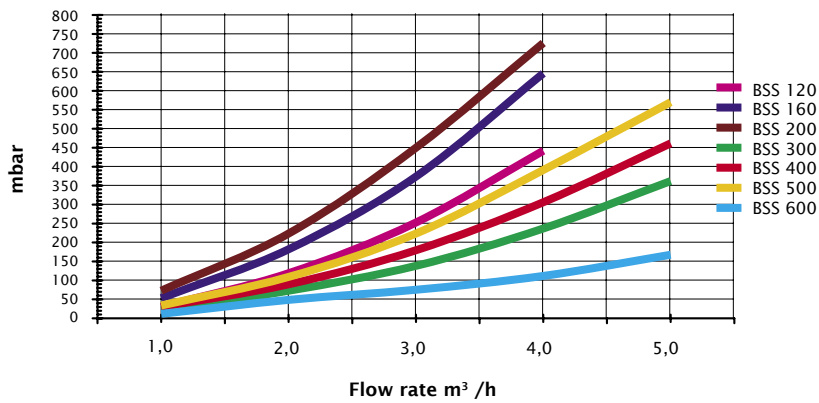




Power kW $\Delta T = 35^\circ C$



Flow resistance mbar



3D radiography

