



BSD FREE STANDING

200 300 400 500

LIKE STEAM BOILERS



The Free Standing for large production

Double coil “free standing” storage steam boilers are of the indirect heating variety. They facilitate easy and abundant generation of hot water for all types of use. They may be connected to centralized systems, forced circulation solar heating plants and equipped with additional integration systems. Suitable for industrial and community applications.

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

	Capacity	Coil position	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	top./bot.	m ²	kW	l/h	min	mbar	m ³ /h	mm	kWh / 24 h	°C
BSD 200	200	top	0,50	22	541	23	119	2,0	≥ 50	2,00	95
		bottom	0,70	25,5	627	21	182				
BSD 300	300	top	0,90	31,5	774	24	100	3,0	≥ 50	2,40	95
		bottom	1,40	44	1081	18	138				
BSD 400	400	top	0,90	31,5	774	33	100	3,0	≥ 50	2,80	95
		bottom	1,70	55	1351	19	180				
BSD 500	500	top	0,90	31,5	774	41	100	3,0	≥ 50	3,30	95
		bottom	2,10	63	1543	20	223				

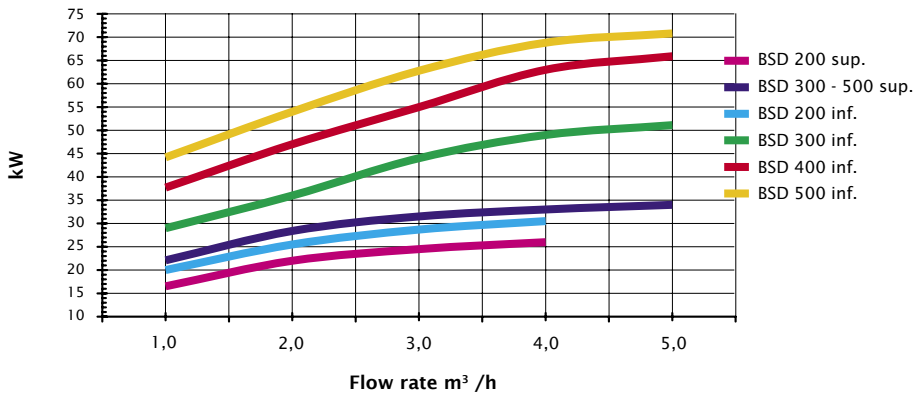
Note: *Primary temperature 80°C / Secondary 10 /45°C / Primary flow rate indicated in the table - D.H.W. = domestic hot water.

	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	N	O	P
	Mpa	Kg	KW-WW	PV-PR	Z	Tr	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
BSD 200	1,0	61	Rp ¾	Rp ¾	Rp ¾	3	610	620	1329	150	261	336	581	661	747	841	1041	1108	1195
BSD 300	1,0	105	Rp 1	Rp 1	Rp 1	3	650	675	1560	148	288	378	693	773	859	956	1225	1292	1408
BSD 400	1,0	133	Rp 1	Rp 1	Rp 1	3	750	775	1553	162	322	402	722	800	879	977	1177	1259	1387
BSD 500	1,0	154	Rp 1	Rp 1	Rp 1	3	750	775	1818	162	322	437	872	972	1072	1172	1372	1457	1652

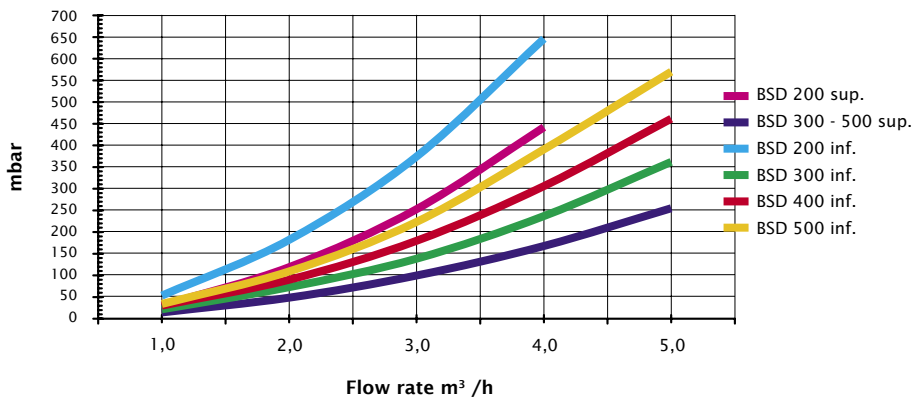




Power kW $\Delta T = 35^\circ\text{C}$



Flow resistance mbar



3D radiography

