



DOMESTIC WATER HEATERS BB S2

High grade solar water heating for the home

Wall hung water heaters for bathroom installation.

Product Features

CFC-free hard PU foam insulation with thickness of 32.5 mm and aesthetic steel case in RAL 9003

Storage tank made of low-carbon steel with titanium enamel

Two magnesium anodes for cathodic corrosion protection in accordance to DIN 4753-6 in all enameled models

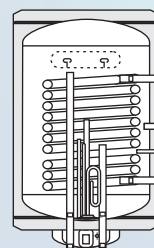
Electric heating element

Temperature indicator

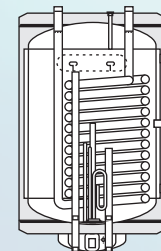
Two-stage thermal protection and a pressure relief valve with 8 bar setting ensure safe operation

Two heat exchanger coils for combining two external sources of heat

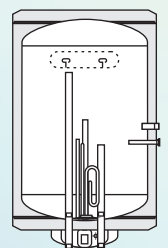
Large surface of heat exchangers for maximum efficiency



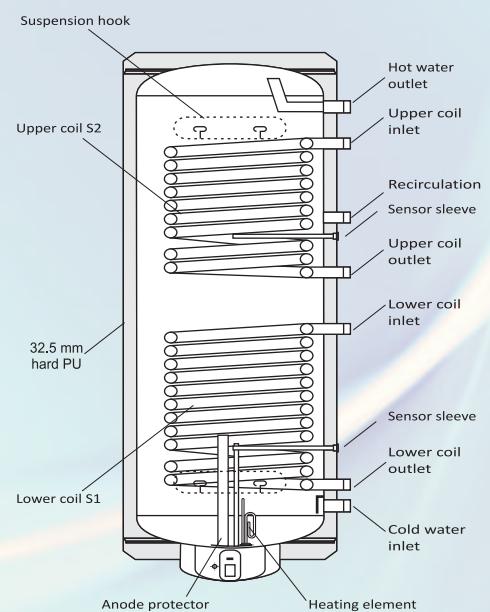
model BB S1



model BB S1 M



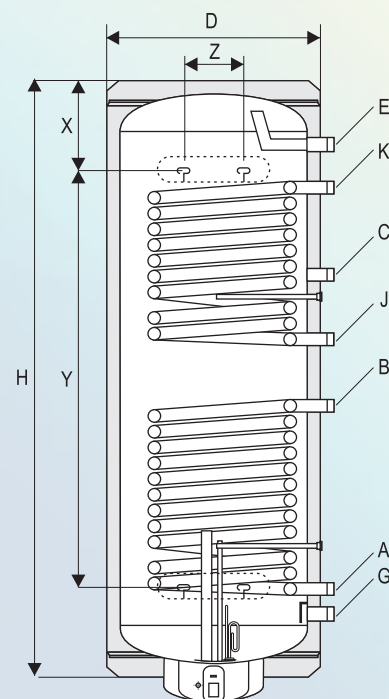
model BB



model BB S2

Technical specification:

Model		BB S2 100	BB S2 120	BB S2 150	BB S2 200	
Volume	l	100	120	150	200	
Height H	mm	770	900	1040	1310	
Diameter D	mm	ø 520	ø 520	ø 520	ø 520	
Operating pressure / max. temperature	bar/°C	8/95	8/95	8/95	8/95	
Testing pressure of tank	bar	13	13	13	13	
Lower coil S1	Heat-exchanger surface	m ²	0.3	0.4	0.4	0.8
	Heat-exchanger volume	l	1.53	2.04	2.04	4.07
	Prolonged power according to DIN 4708; 80/60/45 °C	kW m ³ /h	6.5 0.16	8.2 0.20	8.2 0.20	15 0.37
	NL – power coefficient at 60°C		1	1	1	1.5
	Pressure drop Δp	mbar	40	50	50	60
Upper coil S2	Heat-exchanger surface	m ²	0.3	0.4	0.4	0.53
	Heat-exchanger volume	l	1.53	2.04	2.04	2.70
	Prolonged power according to DIN 4708; 80/60/45 °C	kW m ³ /h	6.5 0.15	8.2 0.20	8.2 0.20	9 0.22
	NL – power coefficient at 60°C		1	1	1.5	1.3
	Pressure drop Δp	mbar	40	50	50	55
Operating pressure / max. operating temperature of coils	bar/°C	16/110	16/110	16/110	16/110	
Testing pressure of coils	bar	25	25	25	25	
Thermal indicator		✓	✓	✓	✓	
Anode protector		✓	✓	✓	✓	
Heating element wattage	kW	2/3	2/3	2/3	2/3	
Lower coil outlet	A	R¾" 165	R¾" 165	R¾" 165	R¾" 215	
Cold water inlet	G	R½"	R½"	R½"	R¾"	
Lower coil inlet	B	R¾" 343	R¾" 381	R¾" 381	R¾" 653	
Upper coil outlet	J	R¾" 403	R¾" 441	R¾" 441	R¾" 733	
Recirculation	C	-	-	-	R¾" 883	
Upper coil inlet	K	R¾" 580	R¾" 657	R¾" 657	R¾" 1095	
Hot water outlet	E	R½"	R½"	R½"	R¾"	
Dimension W	mm	120	120	120	-	
Dimension X	mm	200	200	200	220	
Dimension Y	mm	-	-	630	900	
Dimension Z	mm	240	240	240	240	
Weight CrNi	kg	60	66	76	82 (106)	



* The data in parenthesis applies for enameled modifications

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: