



DOMESTIC WATER HEATERS BB S1

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 or stainless steel

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

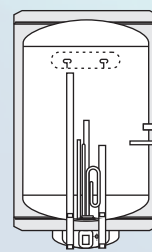
Electric heating element

Temperature indicator

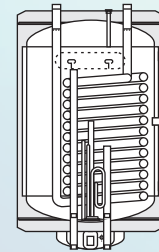
Two-stage thermal protection and a pressure relief valve with 8 bar setting ensure safe operation

A heat exchanger coil for connection of external source of heat

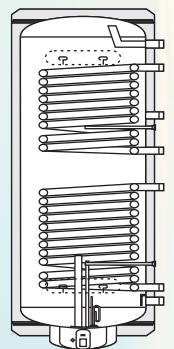
Large surface of heat exchanger for maximum efficiency



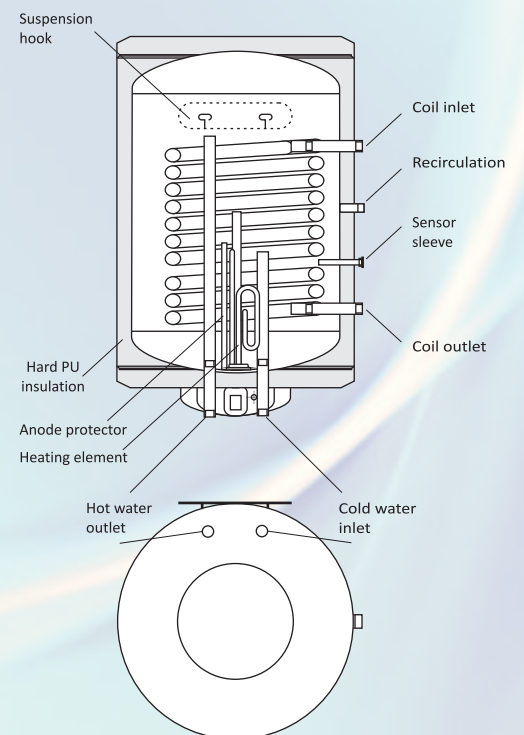
model BB



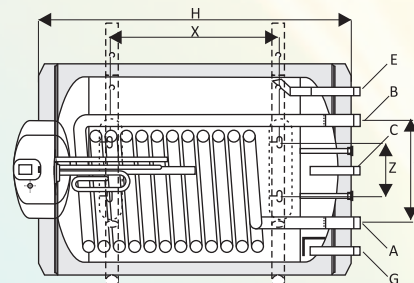
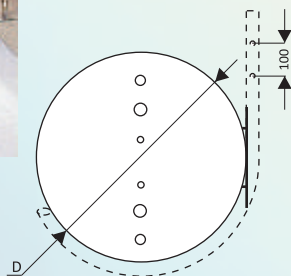
model BB S1 M



model BB S2



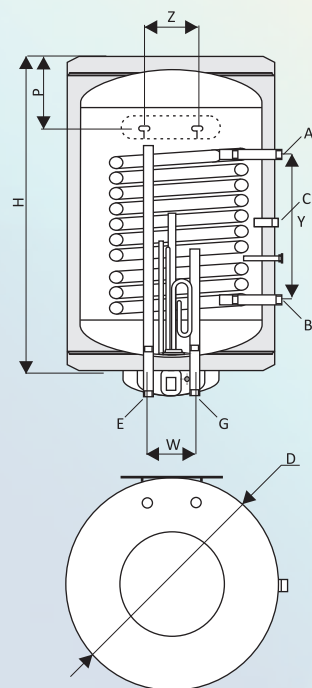
model BB S1



Technical specification:

Model		BB S1 80	BB S1 100	BB S1 120	BB S1 150	BB S1 200	
Volume	l	80	100	120	150	200	
Height H	mm	640	770	900	1040	1310	
Diameter D	mm	ø 520	ø 520	ø 520	ø 520	ø 520	
Operating pressure / max. temperature	bar/°C	8/95	8/95	8/95	8/95	8/95	
Testing pressure of tank	bar	13	13	13	13	13	
Coil	Heat-exchanger surface	m ²	0.4	0.53	0.53	0.8	0.8
	Heat-exchanger volume	l	2.04	2.70	2.70	4.07	4.07
	Prolonged power according to DIN 4708; 80/60/45 °C	kW m ³ /h	8.2 0.20	9 0.22	9 0.22	15 0.37	15 0.37
	NL – power coefficient at 60°C		1	1.3	1.3	1.5	1.5
	Pressure drop Δp	mbar	50	55	55	60	60
Operating pressure / max. operating temperature of coil	bar/°C	16/110	16/110	16/110	16/110	16/110	
Testing pressure of coil	bar	25	25	25	25	25	
Thermal indicator		✓	✓	✓	✓	✓	
Anode protector		✓	✓	✓	✓	✓	
Heating element wattage	kW	2/3	2/3	2/3	2/3	2/3	
Coil outlet	A	R ³ / ₄ " 165 (135)	R ³ / ₄ " 165 (135)	R ³ / ₄ " 165 (135)	R ³ / ₄ " 165 (135)	R ³ / ₄ " 165 (135)	
Cold water inlet	G	R ¹ / ₂ " 0 (65)	R ¹ / ₂ " 0 (65)	R ¹ / ₂ " 0 (65)	R ¹ / ₂ " 0 (65)	R ¹ / ₂ " 0 (65)	
Coil inlet	B	R ³ / ₄ " 451 (385)	R ³ / ₄ " 565 (385)	R ³ / ₄ " 565 (385)	R ³ / ₄ " 717 (385)	R ³ / ₄ " 653 (385)	
Recirculation	C	-	-	-	-	R ³ / ₄ " 733 (260)	
Hot water outlet	E	R ¹ / ₂ " 0 (455)	R ¹ / ₂ " 0 (455)	R ¹ / ₂ " 0 (455)	R ¹ / ₂ " 0 (455)	R ¹ / ₂ " 0 (455)	
Dimension W	mm	120	120	120	120	-	
Dimension X	mm	(230)	(360)	(490)	(630)	(900)	
Dimension Y	mm	250 (250)	250 (250)	250 (250)	250 (250)	250 (250)	
Dimension Z	mm	240 (240)	240 (240)	240 (240)	240 (240)	240 (240)	
Dimension P	mm	230	230	255	270	-	
Weight Enameled /CrNi	kg	63/45	70/52	80/58	90/71	98/78	

model BB S1 - horizontal



model BB S1 - vertical

* The data in parenthesis applies to horizontal 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: