

BVE-WW 160 TO 1000

Double heat exchanger



The BVE-WW series tanks are specially designed for primary circuit solar systems. They are equipped with two heat exchangers.

The tank and the heat exchangers are made of enamelled steel. These tanks are to be placed on the ground, and are generally used in combination with solar production (on the bottom heat exchanger) and back-up by a boiler or heat pump (on the top heat exchanger).



Description

- Enamelled steel sanitary hot water storage tank*, equipped with two heat exchangers.
- Tank enamelling inside treatment according to DIN 4753-3 and UNI 10025. Protection by 2 magnesium anodes.
- Rigid PU insulation 50 to 70 mm thick, zipped PVC cover finish.
- Optional electric back-up on 1 1/2" connection above the heat exchanger.
- External casing classified as standard M3 fire.
- 5 years warranty, electric part 2 years warranty.

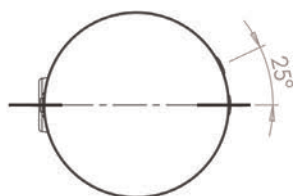
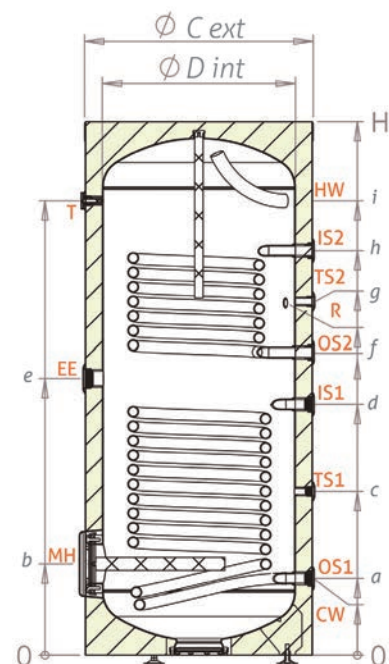
* Sanitary water in compliance with French sanitary regulations particularly DTU 60.1



BVE-WW 160 to 1000 liters

	Model	160 L	200 L	300 L	400 L	500 L	800 L	1000 L
Reference		BVE0160WW	BVE0200WW	BVE0300WW	BVE0400WW	BVE0500WW	BVE0800WW	BVE1000WW
Total capacity (liters)		153	187	283	378	443	763	952
Weight empty (kg)		72	88	121	143	166	248	289
Rigid PU insulation injected (mm)		50	50	50	50	50	70	70
Heat exchanger surface S1/S2 (m²)		0.64/0.42	0.85/0.62	1.27/0.85	1.65/0.97	2.06/0.96	2.45/1.46	3.18/1.49
Heat exchanger capacity S1/S2 (Lt)		3.83/2.55	5.10/3.83	7.66/5.10	10.21/5.87	12.44/6.06	20.11/11.96	26/12.17
Heat exchanger output *60-80°C S1/S2 (kW)		17/13	26/16	34/26	45/25	52/31	57/39	78/33
Heat exchanger continuous flow rate *60-80°C S1/S2 (L/h)		418/319	639/393	835/639	1106/614	1278/762	1401/958	1917/811
Heat loss ΔT 45K (kWh/24h)		1.4	1.5	1.7	2.2	2.5	3.2	3.5
Energy efficiency class		B	B	B	C	C	C	C
Maximum tank / heat exchanger working-temperature (°C)		95	95	95	95	95	95	95
Max tank operating pressure (bar)		10	10	10	10	10	8	8
Max working heat exchanger pressure (bar)		6	6	6	6	6	6	6

* Inlet and outlet temperature of the heat transfer fluid



Model	ØC	ØD	H	a	b	c	d	e	f	g	h	i
160	600	500	1035	242	287	375	507	507	557	605	697	787
200	600	500	1230	242	287	422	602	602	657	735	847	982
300	600	500	1760	242	287	512	782	782	862	1088	1122	1512
400	700	600	1655	238	283	508	778	778	858	1018	1096	1408
500	700	600	1900	238	283	576	913	913	993	1184	1231	1658
800	990	850	1770	331	459	606	881	881	953	1025	1200	1372
1000	990	850	2100	331	459	689	1046	1046	1154	1262	1437	1727

Dimensions (mm)

	Model	160-500	800-1000
MH	Manhole	Ø180	Ø300
CW	Cold water inlet	1" F	1 1/2" F
HW	Hot water outlet	1" F	1 1/2" F
OS1	Lower HE outlet	1" F	1 1/2" F
IS1	Lower HE inlet	1" F	1 1/2" F
OS2	Upper HE outlet	1" F	1 1/2" F
IS2	Upper HE inlet	1" F	1 1/2" F
TS	Sensor pocket	1/2" F	
EE	Electric element	1 1/2" F	
R	Recirculation	3/4" F	
T	Thermometer	1/2" F	

Storage tank 5 years warranty

Certifications

Tank enamelling inside treatment according to DIN 4753-3 and UNI 10025
Made in European Union



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