

BVE-LWW 300 TO 1000

Double heat exchanger - Large area for HP



The BVE-LWW series tanks are specially designed for primary circuit solar systems.

They are also equipped with a large surface heat exchanger (top) suitable for heat pump applications.

The tank and the heat exchangers are made of enamelled steel.

These tanks are to be placed on the ground.



Description

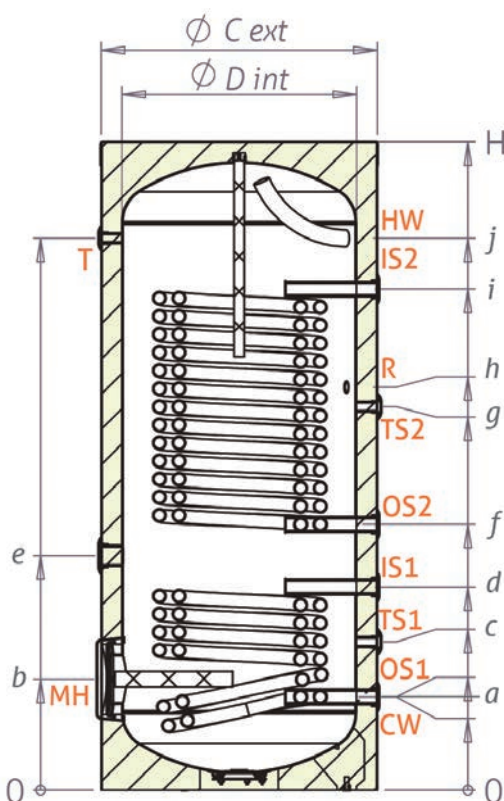
- Enamelled steel sanitary hot water storage tank*, equipped with two heat exchangers with a large area.
- Tank enamelling inside treatment according to DIN 4753-3 and UNI 10025. Protection by magnesium anode.
- Rigid PU insulation 50 to 70 mm thick, zipped PVC cover finish, removable.
- Optional electric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

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



BVE-LWW 300, 500 and 1000 liters

	Model	300 L	500 L	800 L	1000 L
Reference	BVE0300LWW	BVE0500LWW	BVE0800LWW	BVE1000LWW	
Total capacity (liters)	272	431	746	919	
Weight empty (kg)	164	212	294	346	
Rigid PU insulation injected (mm)	50	50	70	70	
Heat exchanger surface S1/S2 (m²)	1.14/3.12	1.51/4.21	2.44/4.54	3.66/6.18	
Heat exchanger capacity S1/S2 (L)	6/15	7/21	16/30	24/40	
Heat exchanger output (60-80°C) S1/S2 (kW)	27/75	36/101	59/109	88/148	
Heat exchanger continuous flow rate (60-80°C) S1/S2 (L/h)	672/1840	890/2483	1439/2677	2158/3644	
Heat loss ΔT 45K (kWh/24h)	1.7	2.5	3.2	3.5	
Energy efficiency class	B	C	C	C	
Maximum tank / heat exchanger working-temperature (°C)	95	95	95	95	
Max tank operating pressure (bar)	10	10	8	8	
Max working heat exchanger pressure (bar)	6	6	6	6	



		Model	
	Outlet/Inlet tube	300-500	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 1.2	Probes	1/2" F	1/2" F
EE	Electric element	1 1/2" F	1 1/2" F
R	Recirculation	3/4" F	3/4" F
T	Thermometer	1/2" F	1/2" F

Storage tank 3 years warranty

Certifications

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



Model	ØC	ØD	H	a	b	c	d	e	f	g	h	i	j
300	600	500	1760	242	287	412	582	662	742	1088	1117	1117	1492
500	700	600	1900	238	283	423	608	673	738	1184	1198	1198	1658
800	990	850	1770	331	459	496	661	732	802	1025	1087	1087	1372
1000	990	850	2100	331	459	571	811	894	977	1262	1352	1352	1727

Dimensions (mm)

SYRIUS SOLAR INDUSTRY

15 rue du Perpignan - ZAC Descartes
34880 Lavérune - France

+33 (0) 4 67 82 00 18

contact@syrius-solar.fr

SAS with capital of € 156 800 - RCS Montpellier 794 797 753 00041

www.syrius-solar.com

