

BVK-WW 600 TO 2000

«Tank in tank» type - Double heat exchanger



The storage tanks proposed by Syrius are a «tank in tank» type. The domestic hot water tank is inside the storage tank for the space heating water. They can be delivered, without heat exchanger or with one or two heat exchangers.

These tanks are used for Solar Energy Combined Systems (SECS), combining the production of domestic hot water and heating.



Description

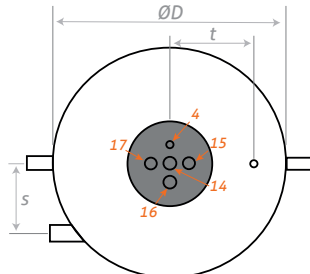
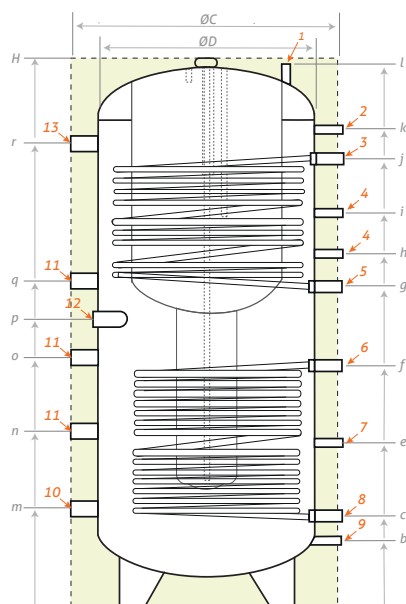
- Storage tank «tank in tank» with two heat exchangers.
- Sanitary hot water tank* in enamelled steel.
- Tank enamelling inside treatment according to DIN 4753-3 and UNI 10025. Protection by magnesium anode.
- Polyester fiber insulation 100 mm thick, zipped PVC cover finish.
- Electric back-up on 1½ connection at mid-height.
- External casing classified as standard M1 fire.
- M0 on request.
- 5 years warranty, electric part 2 years warranty

* Sanitary water meeting the French standard according to decree N° 89-3 of 03/01/89



BVK-WW 600 to 2000 liters

	Model	600 L	750 L	1000 L	1500 L	2000 L
Reference		BVK0600WW	BVK0750WW	BVK1000WW	BVK1500WW	BVK2000WW
Total capacity (liters)		640	750	830	1393	2015
Effective capacity tank DHW / heating water (liters)		170 / 470	205 / 545	220 / 610	330 / 1063	420 / 1595
Weight empty (kg)		310	345	385	460	570
Polyester fiber insulation (mm)		100				
Heat exchanger surface S1/S2 (m²)		2.5 / 1.5	2.7 / 1.5	3.0 / 2.0	3.3 / 2.0	3.8 / 3.0
Heat exchanger volume S1/S2 (liters)		14.4 / 8.0	15.3 / 8.0	16.7 / 11.8	19.0 / 11.0	21.6 / 17.1
Heat exchanger power S1/S2 (kW)		63 / 34	68 / 36	75 / 46	86 / 50	99 / 72
Rate of flow heat-exchanger S1/S2 (m³/h)		2.7 / 1.5	2.9 / 1.5	3.2 / 2.0	3.7 / 2.2	4.3 / 3.1
Pressure loss S1/S2 (mbar)		193 / 33	238 / 37	315 / 86	468 / 95	700 / 296
Energy efficiency class		C				
Maximum working-temperature (°C)		95				
Max heating / tank operating pressure (bar)		3 / 6				
Max working heat exchanger pressure (bar)		10				



Model	ØC	ØD	H	b	c	e	f	g	h	i	j	k	l	m	n	o	p	q	r	s	t
600	950	750	1775	240	330	595	880	980	1055	1235	1370	1450	1710	340	590	890	950	1160	1450	220	290
750	950	750	2045	240	330	800	1040	1145	1240	1380	1535	1690	1980	340	590	890	1050	1160	1690	220	290
1000	990	790	2050	240	330	595	880	1170	1290	1440	1635	1745	1985	360	640	910	1050	1190	1695	240	290
1500	1200	1000	2150	290	400	750	950	1205	1115	1390	1660	1750	2085	390	710	990	1170	1360	1725	240	415
2000	1300	1100	2495	290	390	1060	1290	1540	1425	1700	1980	2060	2430	410	820	1230	1370	1640	2050	240	415

Dimensions (mm)

	Model
Outlet/Inlet tube	600 to 2000
1	Air evacuation 1/2"
2	Thermometer 1/2"
4	Temperature probes 1/2"
6.8	Heat exchanger outlet/inlet 1"
7	Solar probe 1/2"
9	Drain 3/4"
10.13	Heating outlet/inlet 1 1/2"
11	Available 1 1/2"
12	Electric element 1 1/2"
14	Cold Water inlet 1"
15	Recirculation 1"
16	Anode 1 1/4"
17	Hot Water outlet 1"

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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