

BT-WS 580 TO 2000 WITH PRODUCTION OF DHW

Single heat exchanger



The BT-WS series tanks are mainly used for Solar Energy Combined Systems (SECS), combining the production of heating and instantaneous domestic hot water by means of a 316L stainless steel coil.



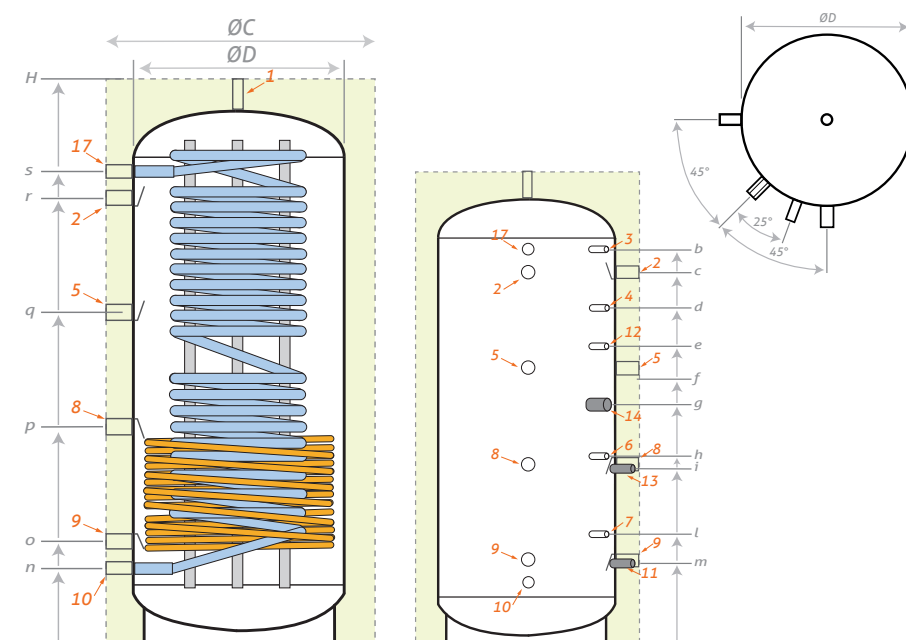
Description

- Buffer tank for SECS, for a heating system and instantaneous DHW, equipped with a stainless steel 316L spiral pipe, with one heat exchanger.
- Polyester fiber insulation 100 mm thick.
- External casing classified as standard M1 fire.
- 5 years warranty.



BT-WS 580, 800, 1000, 1500 and 2000 liters

	Model	580 L	800 L	1000 L	1500 L	2000 L
Reference	BT0580WS	BT0800WS	BT1000WS	BT1500WS	BT2000WS	
Total capacity (liters)	545	783	870	1470	1908	
Weight empty (kg)	195	245	290	350	410	
Polyester fiber insulation (mm)			100			
Surface of domestic water pipe coil (m ²)	5.1	6.4	7.6	8.9	8.9	
DHW volume (L)	32	40	48	56	56	
Heat exchanger surface (m ²)	2.0	2.5	3.0	3.5	4.0	
Heat exchanger volume (L)	11.4	14.2	16.6	20.5	22.7	
Heat exchanger power (kW)	48	63	75	91	104	
Rate of flow heat-exchanger (m ³ /h)	2.1	2.7	3.2	3.9	4.5	
Pressure loss (mbar)	91	191	313	565	808	
DHW Production 80°/60° - 10-45°C (kW/m ³ /h)	32 / 0.79	76 / 1.87	77 / 1.89	96 / 2.36	160 / 3.93	
Energy efficiency class			C			
Maximum working-temperature (°C)			95			
Max heating operating pressure (bar)			3			
Max working heat exchanger pressure (bar)			10			
Max tank operating pressure (bar)			6			



Model	ØC	ØD	H	b	c	d	e	f	g	h	i	l	m	n	o	p	q	r	s
580	850	650	1940	1640	1500	1320	1170	1080	920	800	765	490	345	240	340	740	1140	1540	1640
800	990	790	1930	1580	1485	1290	1190	1075	950	770	725	465	365	280	380	745	1115	1480	1580
1000	990	790	2110	1760	1655	1500	1330	1185	1070	840	785	495	365	280	380	805	1235	1660	1760
1500	1200	1000	2240	1825	1715	1525	1415	1165	1055	870	835	520	445	345	445	870	1300	1725	1825
2000	1300	1100	2380	1950	1830	1640	1470	1260	1150	970	955	630	475	350	450	915	1385	1850	1950

Dimensions (mm)

	Outlet/Inlet tube	Model
1	Air evacuation	580 to 2000
2	Boiler inlet	1"½
3, 4, 6, 7, 12	Probes	½"
5	Heating inlet	1"½
8	Boiler outlet	1"½
9	Heating outlet	1"½
10	Cold Water inlet	1"¼
11	Solar energy inlet	1"
13	Solar energy outlet	1"
14	Electric element	1"½
17	Hot Water outlet	1"¼

Buffer tank 5 years warranty

Certifications

Made in European Union



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