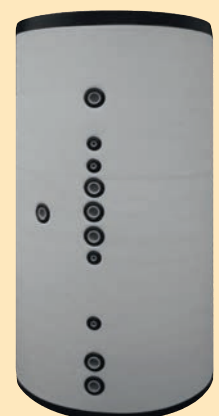


# BT-WS 580 TO 2000 WITH PRODUCTION OF DHW

*Single heat exchanger*

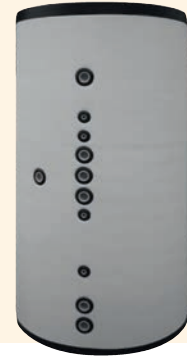


The BT-WS series tanks are mainly used for Solar Energy Combined Systems (SECS), combining the production of heating and instantaneous domestic hot water by means of a 316L stainless steel coil.



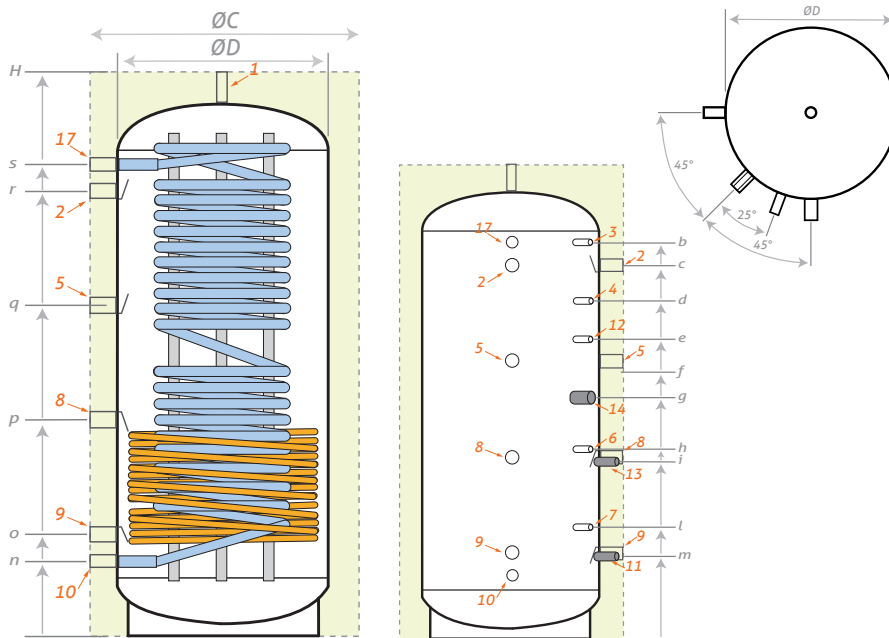
# Description

- 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
<b>Reference</b>	<b>BT0580WS</b>	<b>BT0800WS</b>	<b>BT1000WS</b>	<b>BT1500WS</b>	<b>BT2000WS</b>
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 <sup>2</sup> )	5.1	6.4	7.6	8.9	8.9
DHW volume (L)	32	40	48	56	56
Heat exchanger surface (m <sup>2</sup> )	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 <sup>3</sup> /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 <sup>3</sup> /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				



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

**Buffer tank 5 years warranty**

## Certifications

Made in European Union



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

Dimensions (mm)

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