



## BT-WS 500 TO 2000

Single heat exchanger

The BT-WS series buffer tanks are mainly used for a combined solar system (SECS) installation. They allow to combine the production of heating and instantaneous DHW production through a 316L stainless steel coil.

## Description

- Buffer tank for SECS, for an instantaneous heating and DHW system, equipped with a coil and a solar heat exchanger.
- Black steel cylinder for technical water
- Polystyrene finish (500-580L) or PVC (800 à 2 000L) 9006 RAL



Tank guarantee 2 years

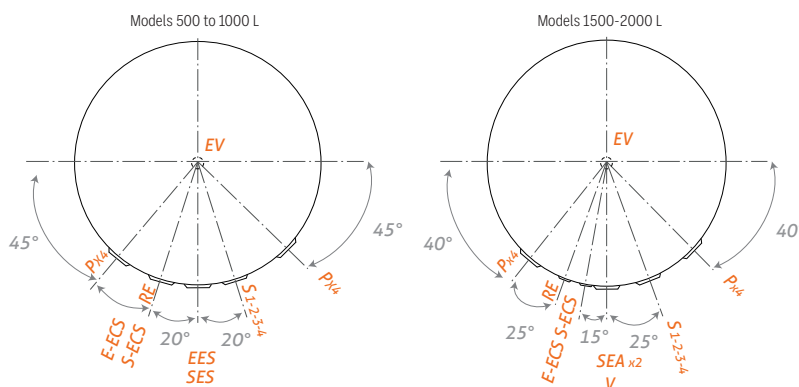
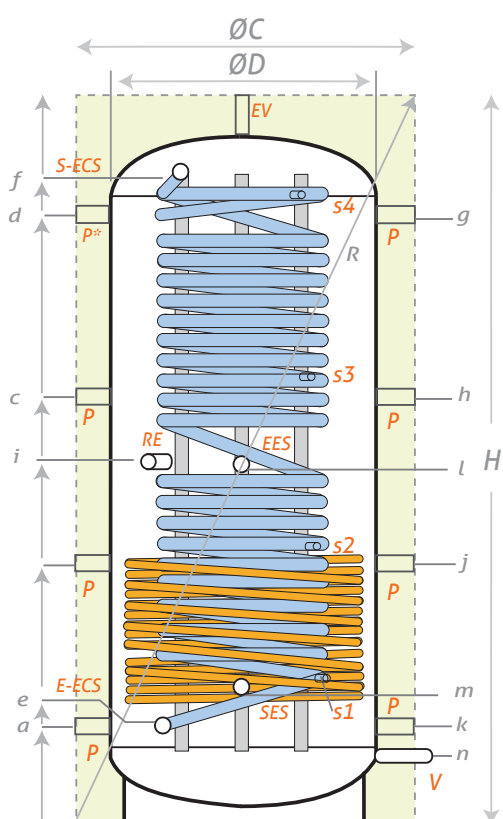
## Certifications

Made in the European Union



# BT-WS 500, 580, 800, 1000, 1500 and 2000 liters

Model / reference	500 L	580 L	800 L	1000 L	1500 L	2000 L
<b>Tank</b>	<b>BT0500WS</b>	<b>BT0580WS</b>	<b>BT0800WS</b>	<b>BT1000WS</b>	<b>BT1500WS</b>	<b>BT2000WS</b>
Empty weight (kg)	-	-	-	-	-	-
Insulation: thickness (mm) / material	50 polyurethane		75 polyurethane		130 polyester	
Heat dissipation $\Delta T$ 45K (W)	108	114	131	138	163	174
Cooling constant (Wh/l/K)	0.1203	0.1084	0.0972	0.0876	0.0609	0.0480
Max. working temperature (°C)	95					
Fire-resistance class	B2 DIN 4102-1			B1 DIN 4102-1		
<b>Cylinder</b>						
Capacity (liters)	445	527	673	782	1352	1852
Max. working pressure (bar)	3					
Connections	8					
<b>DHW stainless steel coil</b>						
Volume contained (liters) / Exchange surface (m <sup>2</sup> )	20/4	20/4	30/6	38/7.5	50/10	50/10
Power (kW) / Flow (m <sup>3</sup> /h)	51/1.25	51/1.25	77/1.9	98/2.4	128/3.15	128/3.15
Pressure loss (kPa) / Max. working pressure (bar)	- / 6					
<b>Solar heat exchanger (lower)</b>						
Volume contained (liters) / Exchange surface (m <sup>2</sup> )	14/2.1	14/2.1	16/2.4	20/3	26/4.1	30/4.6
Power (kW) / Flow (m <sup>3</sup> /h)	- / -	- / -	- / -	- / -	- / -	- / -
Pressure loss (kPa) / Max. working pressure (bar)	- / 12					



Connections	500	580	800	1000	1500	2000
<b>EV</b> Steam trap	1/4"	1/4"	1/2"	1/2"	3"	3"
<b>P*</b> Cylinder connection	1/2"	1/4"	1/4"	1/2"	1/2"	1/2"
<b>P</b> Cylinder connection	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
<b>E-ECS</b> Sanitary cold water inlet	1"	1"	1/4"	1/4"	1/4"	1/4"
<b>S-ECS</b> Sanitary hot water outlet	1"	1"	1/4"	1/4"	1/4"	1/4"
<b>EES-SES</b> Solar heat exchanger inlet/outlet	1"	1"	1/4"	1/4"	1/4"	1/4"
<b>RE</b> Electrical resistance	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
<b>V</b> Drain	/	/	/	/	1"	1"
<b>S1-2-3-4</b> Temperature probe	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

Model	ØC	ØD	H	R	a-k-s1	b-j-s2	c-s3	d-s4	e	f	g	h	i	l	m	n
<b>580</b>	750	600	1900	2045	270	730	1190	1650	270	1650	1650	1190	950	880	295	/
<b>800</b>	940	760	1810	2040	360	710	1060	1410	310	1460	1410	1060	940	860	365	/
<b>1000</b>	940	760	2060	2270	360	790	1230	1660	310	1710	1660	1230	1090	1025	365	/
<b>1500</b>	1270	850	2440	2775	455	955	1455	1955	415	1995	1955	1455	1290	1120	460	80
<b>2000</b>	1370	950	2475	2830	475	975	1475	1975	2015	1975	1475	1310	1310	1135	475	80

Dimensions (mm)

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