

WST Series

Storage Tanks With Electric Backup

**BOSCH**

Invented for life



A great tank for solar application backup.

The WST line of indirect domestic hot water storage tanks is available in 3 models with capacities of 50, 80 and 119 gallons. Developed specifically for the North American market, the tank features an electric element, for back-up water heating during times of low solar thermal yield, to ensure comfortable hot water year round. The WST tanks are designed for easy integration with Bosch or Buderus solar product.



Shown with optional solar pumping station mounted on the side.

Features

- ▶ Insulated tank design for low heat loss
- ▶ Electrically isolated heating element ensures durability while providing high recovery rates
- ▶ Magnesium anode rod equalizes aggressive water corrosion for prolonged tank life*
- ▶ Solar ready with pre-installed brackets for simplified solar pump station installation
- ▶ Warranty: limited 6-year tank & parts[§]

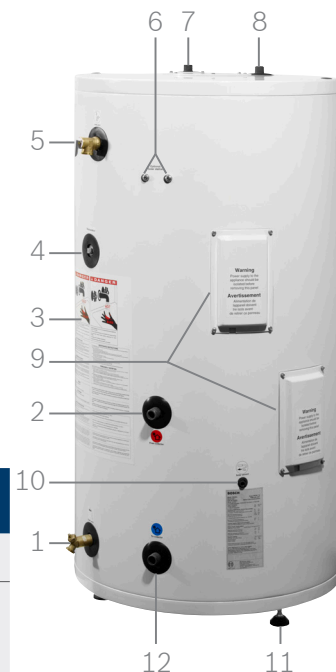
[§] Copies of original warranties in their entirety are available at www.bosch-climate.us

WST Storage Tank With Electric Backup

- Clearly labeled connections
- Fittings located at front of tank for convenient installation
- Top domestic water connections spaced 8" apart for simplified retrofit
- Ceramic tank lining resists corrosion & prolongs tank life
- Internal heat exchanger with large surface area for greater heat transfer
- Recirculation return connection

Technical Specifications	WST50 EL	WST80 EL	WST119 EL
Part Number	8718541965	8718541966	8718541967
Description	50 Gallon (188 L) Single Coil Indirect with 4.5 kW Heating Element	80 Gallon (300 L) Single Coil Indirect with 4.5 kW Heating Element	119 Gallon (450 L) Single Coil Indirect with 4.5 kW Heating Element
Performance Data			
Tank Capacity (L)	50 gal (189)	80 gal (303)	119 gal (450)
First Hour Rating (L)	45 gal (170)	57 gal (216)	74 gal (280)
Standby Capacity for Electric Heating Element (L)	20 gal (76)	32 gal (121)	48 gal (180)
Stand-By Heat Loss (°C/h)	0.7 °F/h (0.39)	0.6 °F/h (0.32)	0.5 °F/h (0.27)
General Specifications			
Solar / Boiler Coil Capacity (L)	1.6 gal (6)	2.2 gal (8.5)	
Solar / Boiler Coil Max Pressure (bar)	116 psi (8)		
Solar / Boiler Coil Max Temperature (°C)	275 °F (135)		
Max Pressure (bar)	150 psi (10.34)		
Max DHW Temperature (°C)	203 °F (95)		
Supply / Return	NPT 3/4"		
Inlet / Outlet	NPT 3/4"		NPT 1"
Electrical Connection	Standard 240 V AC, Single Phase, Non-Simultaneous Wiring with 4500 Watt Element		
Dimensions			
Height Without Tank Feet (mm)	45.2" (1147)	50.6" (1285)	61.9" (1572)
Minimum Height for Installation (mm)	78.7" (2000)		
Diameter (mm)	23.6" (600)	27.6" (700)	29.5" (750)
Approx. Shipping Weight (kg)	234 lbs (106)	320 lbs (145)	428 lbs (194)

Pressure Drop Ft/H2	2gpm	4gpm	6gpm	8gpm	10gpm
WST50 EL	0.14 (6.58)	0.44 (20.84)	0.87 (42.11)	1.43 (70.37)	2.13 (105.64)
WST80 EL WST119 EL	0.17 (8.0)	0.55 (26.81)	1.13 (55.56)	1.89 (94.35)	2.85 (143.19)



1. Drain Valve
2. Solar/Boiler Supply
3. Warning Label
4. Recirculation Connection
5. Temperature/Pressure Relief Valve
6. Optional Solar Pump Station Attachment Mounts
7. Hot Water Outlet
8. Cold Water Inlet
9. Electric Heating Element and Junction Box
10. Solar/Boiler Return

To prevent corrosion, proper pH levels in heat transfer fluid must be maintained. WST models meet all current state requirements for storage tanks. Tank is furnished with standard 240 VAC, single phase non-simultaneous wiring and 4500 watt element. WST models meet all current state requirements for storage tanks.