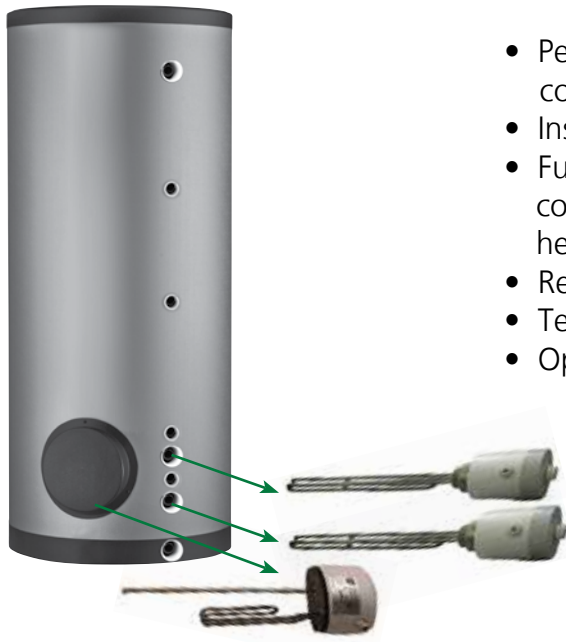


STE ELECTRIC WATER HEATER

STE - 400/500/600/750/1000

Range of electric water heaters.



- PermaGlas Ultra Coat second-generation glass coating technology prevents corrosion
- Insulated ring base
- Full NEODUL insulation with ABS cladding, compliant with current Ecodesign directive for A class heater efficiency
- Replaceable magnesium anode
- Temperature and pressure valve
- Options:
 - Flexible magnesium anode for installation in confined areas
 - Powered anode for reduced maintenance requirements
 - Analogue temperature gauge (0-120°C)
 - Up to 3 heating elements can be installed for (back-up) electric water heating

SAMPLE SPECIFICATION

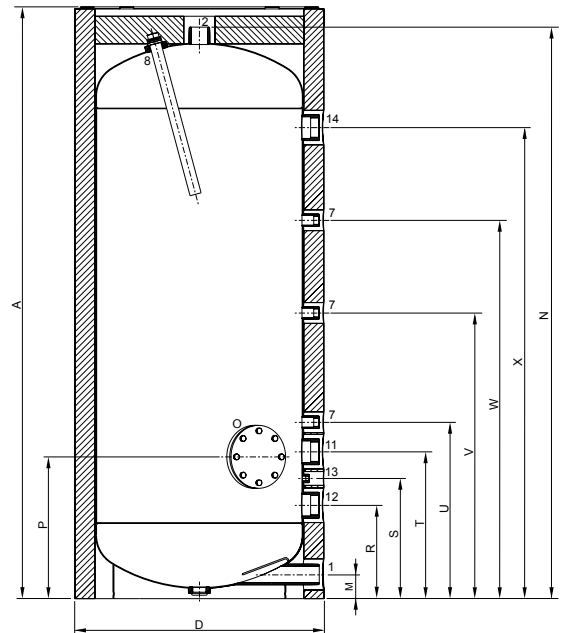
The tanks shall be A. O. Smith ST (E) series Commercial hot water storage tank, model number _ST_(E) xxxx (400-1000L) or an approved equal. The tank shall be for vertical installation. Vessel shall be constructed to European Pressure Directive for minimum 10 bar working pressure. Vessel shall be glass-lined and have a non-sacrificial electric anode for additional maintenance free corrosion protection. Entire vessel shall be insulated with thick NEODUL insulation with ABS cladding. Heat loss will meet current ErP standards. The tank will be supplied with screw in or flanged electric elements. The elements will be incoloy sheathed with low watt density. Each element will be suitable for 3 phase balanced connection. Each element will have its own control thermostat and high temperature protection thermostat. A combined temperature and pressure relieve valve will be factory supplied.



	STE 400	STE 500	STE 600	STE 750	STE 1000	
General						
Storage capacity	405	499	678	763	1055	
Max. temperature setting	°C		95			
Maximum working pressure	kPa (bar)		1000 (10)			
Standby loss	Watts	100	104	126	126	146
Shipping data						
Empty weight	kg	101	133	181	203	264
Weight incl. packaging	kg	112	144	192	214	276
Operational total weight	kg	506	632	859	966	1319
Width packaging	mm	780	780	870	870	1010
Height packaging	mm	1850	2150	1930	2150	2100
Depth packaging	mm	780	780	870	870	1010

	rec/h @45 °C Rise	STE 400	STE 500	STE 600	STE 750	STE 1000
Heating elements		1st hour delivery L / 60°C				
6 kW	115	435	515	658	725	959
7.5 kW	143	463	543	686	753	987
9 (2x 4.5) kW	172	492	572	715	782	1016
12 (2 x 6) kW	230	550	630	772	840	1074
15 (2 x 7.5) kW	287	607	687	830	900	1131
18 (3 x 6) kW	244	664	744	890	960	1188
22.5 (3 x 7.5) kW	430	750	830	975	1050	1274
Power supply		400 - 3 - 50/60				

			STE 400	STE 500	STE 600	STE 750	STE 1000
A	Total height	mm	1710	2045	1840	2035	2005
D	Diameter (without insulation)	mm	600	600	750	750	900
	Diameter (with insulation)	mm	740	760	910	930	1100
M	Height cold water inlet	mm	70	70	85	85	95
N	Height hot water outlet	mm	1655	1995	1805	2000	1965
O	Diameter inspection opening	mm	115	115	180	180	180
P	Height inspection opening	mm	410	410	500	500	530
R	Screw in element opening	mm	270	270	355	315	315
S	Circulation	mm	355	355	425	405	405
T	Screw in element opening	mm	425	425	485	485	485
U	Height connection	mm	510	510	655	655	705
V	Height connection	mm	825	995	1045	1085	1085
W	Height connection	mm	1095	1350	1260	1380	1355
X	Height connection	mm	1360	1700	1470	1655	1595
1	Cold water inlet	-	R 1½	R 1½	R 1½	R 1½	R 1½
2	Hot water outlet	-	R 1½	R 1½	R 1½	R 1½	R 1½
7	Connection	-	Rp ¾	Rp ¾	Rp ¾	Rp ¾	Rp ¾
8	Anode connection	-	Rp 1¼	Rp 1¼	Rp 1¼	Rp 1¼	Rp 1¼
11	Connection	-	Rp 1½	Rp 1½	Rp 1½	Rp 1½	Rp 1½
12	Connection	-	Rp 1½	Rp 1½	Rp 1½	Rp 1½	Rp 1½
13	Connection temp sensor	-	Rp ¼	Rp ¼	Rp ¼	Rp ¼	Rp ¼



- 1 Pressure reducing valve
- 3 T&P valve
- 4 Stop valve
- 5 Non-return valve
- 6 Circulation pump
- 9 Drain valve
- 11 Service valve
- 12 Temperature meter
- 14 Hot water tap
- 16 Expansion vessel

- A Cold water supply
- B Hot water outlet
- C Circulation pipe

In the instruction manual you will find all the necessary information regarding connection, installation and maintenance of the product; including information on the electrical connections.

Information regarding the recycling or disposal of the product can also be found in the manual. This manual is delivered with the appliance and can also be found on our website; www.aosmithme.com

