

500L Twin Solar

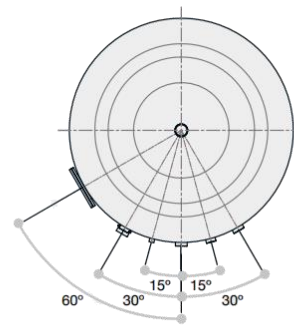
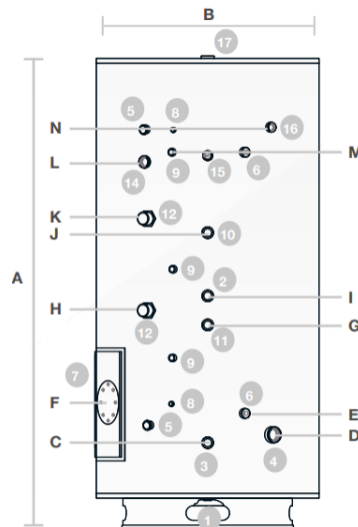
Capacity	Type	Model	Installation
500L	Unvented	Twin Solar	Floor Standing

Descriptive Specification

- The unit is to be a floor standing SmarTherm pre-insulated pressurized Hot Water Calorifier.
- The calorifier is to be manufactured from Duplex LDX 2101, 1mm sheet thickness and factory fitted with 2 no. temperature gauges & 1no. pressure gauge.
- The calorifier must be tested to 12 bar with a max operating pressure of 6 bar and fitted with 2no. 3kW titanium immersions.
- The calorifier should have a standing loss of no more than 115W as tested to EN12897

Constructive Specifications	
Capacity (L)	500
Dedicated Solar Volume (L)	197.9
Cylinder Material	Stainless Steel Duplex LDX 2101, 1mm sheet thickness
Thermal Insulation	Polyurethane foam CFC-Free and HCFC Free
Casing	Painted Galvanised Carbon Steel DX51D
Coil Material	Stainless Steel Tube AISI 316L
Weight (empty) kg	105.5
Weight (full) kg	588
Max. Operating Pressure (bar)	6
Test Pressure (bar)	10
Max. Working Temperature (c)	95
Heating Elements	2no. 3kW titanium immersions.
Unvented Kit Components	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve
Heat Loss (W)	115
Heat up Time (mins)	58
Solar Coil Surface Area (m ²)	1.1
Solar Coil Rating (kW)	43
Boiler Coil Surface Area (m ²)	1.21
Boiler Coil Rating (kW)	46
Product Code	TCFMVS-500LFC
Energy Efficiency Class	C

Dimensions	
A	2030
B	710
C	350
D	350
E	440
F	490
G	800
H	860
I	920
J	1300
K	1360
L	1550
M	1660
N	1730



- 1 Drain
- 2 Boiler Return
- 3 Solar Return
- 4 Cold Water Inlet
- 5 Temperature Gauge (fact. fitted)
- 6 Heat Source F&R / D-strat (28mm)
- 7 Inspection Hatch c/w Plastic Cover (optional)
- 8 Dry Sensor Pocket
- 9 Aquastat Pocket
- 10 Boiler Flow
- 11 Solar Flow
- 12 Titanium Immersion (fact. fitted)
- 14 Secondary Return
- 15 Pressure Gauge
- 16 T&P Relief Valve
- 17 Hot Water Draw Off