

TYPE	MODEL	INSTALLATION
Unvented	Twin Solar	Floor Standing

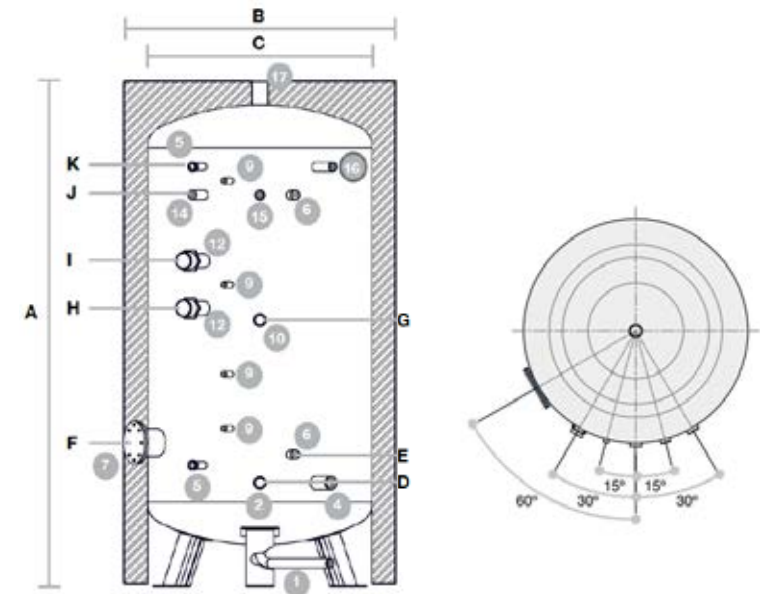
Twin Solar

PRODUCT SPECIFICATION

1. The unit is to be a floor standing SmarTherm pre-insulated pressurized Hot Water Calorifier.
2. The calorifier is to be manufactured from Duplex LDX 2101, 1mm sheet thickness and factory fitted with 2 no. temperature gauges & 1no. pressure gauge.
3. The calorifier must be tested to 12 bar with a max operating pressure of 6 bar and fitted with 2no. 3kW titanium immersions.
4. The calorifier should have a standing loss of no more than 92W as tested to EN12897

DIMENSIONS

	300L	400L	500L	600L	800L	1000L	1250L	1500L
A	1670	1670	2030	2380	2050	2170	2200	2400
B	620	710	710	710	920	1100	1150	1150
C	335	350	350	350	395	900	950	950
D	335	350	350	350	420	425	410	410
E	425	440	440	440	515	525	530	530
F	475	490	490	490	560	580	580	580
G	665	670	800	1010	845	850	820	1050
H	715	720	860	1070	905	910	880	1110
I	765	770	920	1130	965	970	940	1170
J	1145	1095	1300	1680	1345	1350	1320	1550
K	1195	1145	1360	1730	1405	1410	1380	1610
L	1305	1245	1550	1840	1505	1560	1580	1810
M	1340	1300	1660	2000	1550	1700	1630	1890
N	1430	1390	1730	2090	1655	1800	1750	2010



- 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

CONSTRUCTIVE SPECIFICATIONS

	300L	400L	500L	600L	800L	1000L	1250L	1500L
Dedicated Solar Volume (L)	113.1	153.3	197.9	251.7	307.9	460.8	499	483
Cylinder Material	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness	Stainless Steel Duplex LDX 2101, 1mm sheet thickness
Thermal Insulation	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free	Polyurethane foam CFC-Free and HCFC Free
Casing	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D	Painted Galvanised Carbon Steel DX51D
Coil Material	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L	Stainless Steel Tube AISI 316L
Weight (empty) kg	88	89	105.5	141	240	250	268	293
Weight (full) kg	366.5	466	588	715	972	1313	1453	1643
Max. Operating Pressure (bar)	6	6	6	6	6	6	6	6
Test Pressure (bar)	10	10	10	10	10	10	10	10
Max. Working Temperature (c)	95	95	95	95	95	95	95	95
Heating Elements	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.	2no. 3kW titanium immersions.
Unvented Kit Components	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve	Expansion Vessel, Pressure Reducing Valve, T/P Relief Valve, Tundish, Zone Valve
Heat Loss (W)	92	102	115	119	121	124	135	160
Heat up Time (mins)	35	46	58	55	71	89	96	115
Solar Coil Surface Area (m ²)	1.1	1.1	1.1	1.87	2	2	2.5	2.5
Solar Coil Rating (kW)	43	43	43	54	57	57	68	68
Boiler Coil Surface Area (m ²)	1.21	1.21	1.21	1.8	2.86	2.86	4	4
Boiler Coil Rating (kW)	46	46	46	55	73	73	95	95
Product Code	TCFMVS-300LFC	TCFMVS-400LFC	TCFMVS-500LFC	TCFMVS-600LFC	TCFMVS-800LFC	TCFMVS-1000LFC	TCFMVS-1250LFC	TCFMVS-1500LFC
Energy Efficiency Class	C	C	C	C	C	C	C	C