

Direct

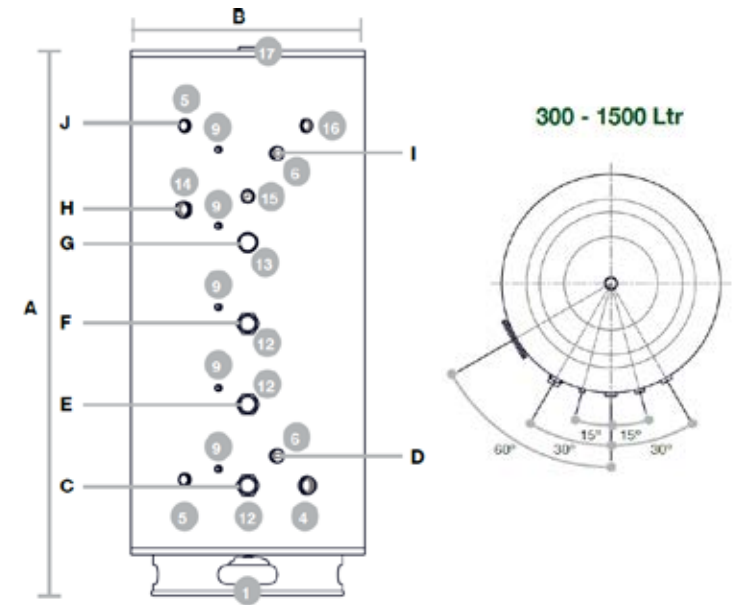
PRODUCT SPECIFICATION

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 3no. 3kW titanium immersions.
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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	445	475	950	950
D	425	440	440	440	570	515	410	410
E	580	590	665	745	760	625	440	440
F	830	830	975	1335	1070	845	550	550
G	1075	1090	1290	1525	1385	1215	745	745
H	1175	1190	1550	1840	1640	1615	1130	1255
I	1350	1300	1660	2000	1745	1750	1530	1780
J	1430	1390	1750	2090	1845	1850	1630	1880
K	-	-	-	-	-	-	1755	2005

TYPE	MODEL	INSTALLATION
Unvented	Direct	Floor Standing



- 1 Drain
- 2 Boiler Return
- 3 Solar Return
- 4 Cold Water Inlet
- 5 Temperature Gauge (fact. fitted)
- 6 Heat Source Flow&Return (28mm)
- 7 Inspection Hatch c/w Plastic Cover
- 8 Dry Sensor Pocket
- 9 Aquastat Pocket
- 10 Boiler Flow
- 11 Solar Flow
- 12 Titanium Immersion (fact. fitted)
- 13 Titanium Immersion Boss (blanked)
- 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	1500
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	71.5	72	89	121	186	188	191	207
Weight (full) kg	361	463	586	720	952	1285	1422	1617
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	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.	3no. 3kW titanium immersions.
Invented 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)	53	71	89	107	143	-	-	-
Max. Allowed (kW)	48	48	48	48	48	78	78	78
Product Code	TCGMVD-0300NFD	TCGMVD-0400NFD	TCGMVD-0500LFD	TCGMVD-0600LFD	TCGMVD-0800LFD	TCGMVD-1000LFD	TCGMVD-1250LFD	TCGMVD-1500LFD
Energy Efficiency Class	C	C	C	C	C	C	C	C