

## **Product Specification**

## Commercial Range

C

## **500L Direct**

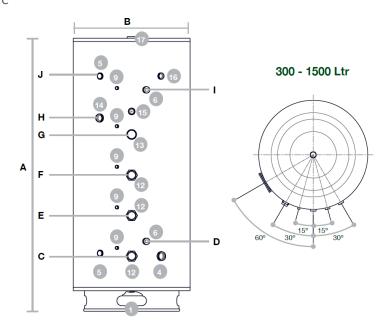
| Capacity | Туре     | Model  | Installation   |
|----------|----------|--------|----------------|
| 500L     | Unvented | Direct | Floor Standing |

## **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 3no. 3kW titanium immersions.
- The calorifier should have a standing loss of no more than 115W as tested to EN12897

| Constructive Specifications   |  |  |  |
|-------------------------------|--|--|--|
| Capacity (L)                  | 500  |  |  |
| 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             | 89   |  |  |
| Weight (full) kg              | 586  |  |  |
| Max. Operating Pressure (bar) | 6  |  |  |
| Test Pressure (bar)           | 10   |  |  |
| Max. Working Temperature (c)  | 95   |  |  |
| Heating Elements              | 3no. 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)           | 89   |  |  |
| Max. Allowed (kW)             | 48   |  |  |
| Product Code                  | TCGMVD-0500LFD   |  |  |
| Energy Efficiency Class       | C  |  |  |

| Dimensions |      |  |
|------------|------|--|
| A          | 2030 |  |
| В          | 710  |  |
| С          | 350  |  |
| D          | 440  |  |
| Е          | 665  |  |
| F          | 975  |  |
| G          | 1290 |  |
| Н          | 1550 |  |
| 1          | 1660 |  |
| J          | 1750 |  |
| K          | -    |  |



- 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