

**ProStor SC 500**  
**Single Coil Indirect DHW Cylinder**

**Product Description**

**Single Coil DHW Indirect Cylinders with WRAS approved vitreous lining.**

The ProStor SC range of commercial domestic hot water cylinders are suitable for a wide range of water heating applications. Each vessel is fitted with a high output fixed coil to give market leading domestic hot water production. The vessel is lined with WRAS approved Vitreous coating to prevent corrosion.

**SC Range: Features**

- WRAS approved Vitreous lining
- High Output Fixed Coil Heat Exchangers
- Capacities: 300 – 1500 litres
- Heat Output: 79 – 196kw
- Electrical Immersion Tapping
- De-stratification Tappings
- Flanged Inspection Hatch
- 50mm Insulation
- Low Standing Losses
- 5 Year Warranty

**SC Range: Options**

- Single & Three Phase electrical elements
- De-stratification Pump

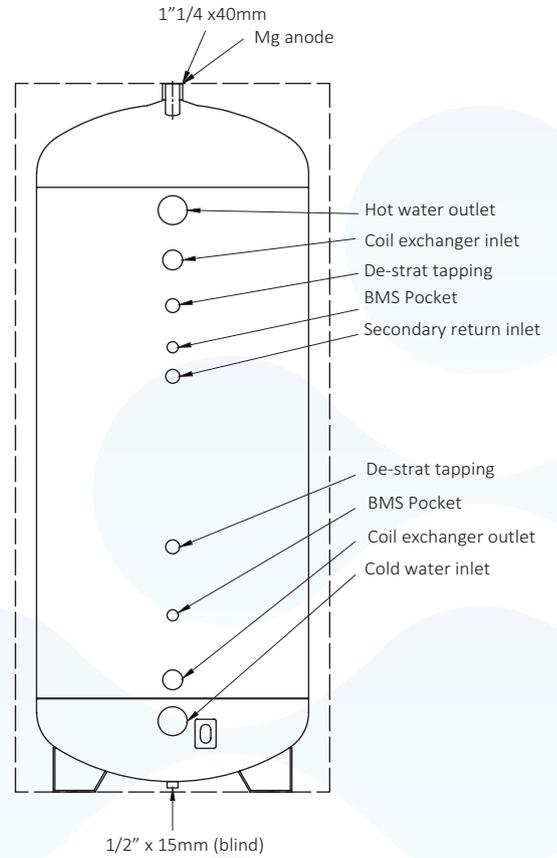
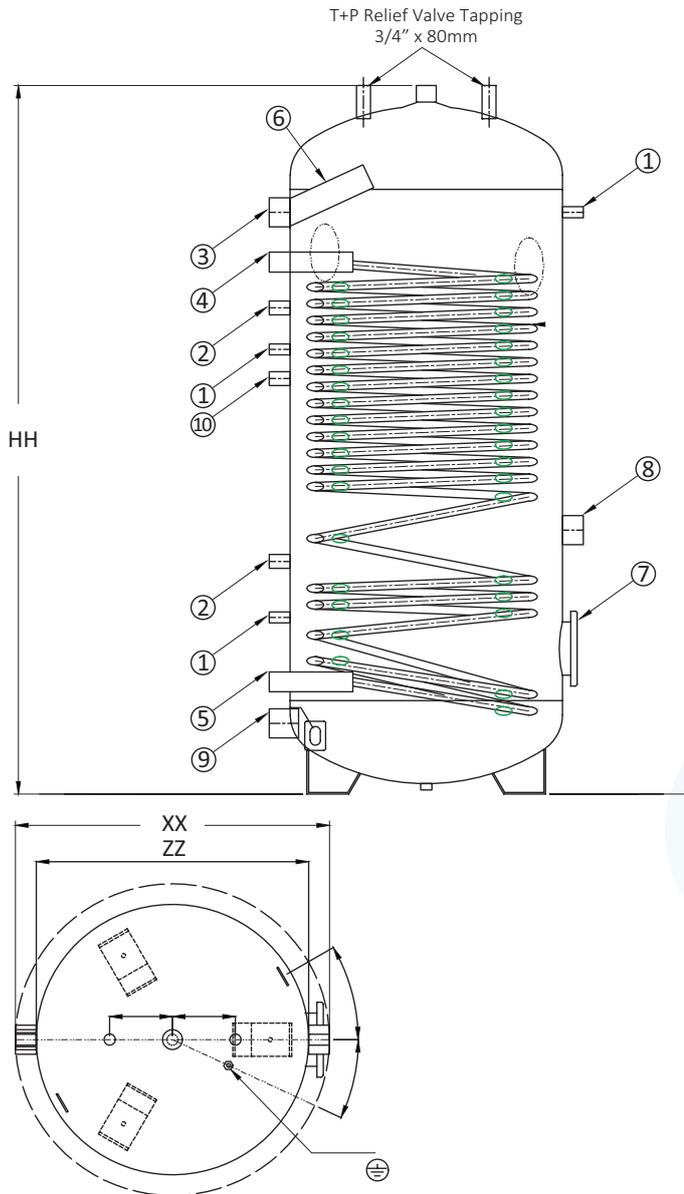


**Technical Specification**

Capacity	475 litres
Heat Input	5m <sup>2</sup>
Orientation	Vertical
Construction Materials	High Quality Steel with WRAS Approved Vitreous Lining
Insulation Material & Thickness	50mm Hard Polyurethane with PVC Outer Jacket
Standing Energy Losses*	85 w/hr
	2.04 kwh/24hrs
Total Height with Insulation	1705mm
Total Diameter with Insulation	750mm
Total Diameter without Insulation	650mm
Weight Empty	155 kg
Maximum working pressure - Coil	10 bar
Maximum working pressure - Vessel	10 bar
Maximum working temperature	95°C
Vitreous Lining WRAS Approval Number	1909560

\* Based upon ERP standard 65°C cylinder temperature at 20°C ambient air temperature

## ProStor SC 500 Single Coil Indirect DHW Cylinder



### Dimensions (mm)

HH	1705
XX	750
ZZ	650

### Performance @ Flow & Return

80°C/60°C

Heat Input	125 kW
1st Hour Hot Water $\Delta T$ 50°C	2625 litres
DHW Flow Rate $\Delta T$ 50°C	2150 litres
Vessel Recovery Rate	13 mins
Primary Flow Rate Required	1.49 lit/sec
Coil Pressure Loss	30 kpa

### Connections

1	BMS Sensor Pocket	1/2"
2	De-stratification Inlet / Outlet	3/4"
3	Domestic Hot Water Outlet	2"
4	Coil Heat Exchanger Inlet	1 1/4"
5	Coil Heat Exchanger Outlet	1 1/4"
6	C. Pipe	1 1/2"
7	Flanged Inspection Access	180/120 mm
8	Optional Immersion Heater	2"
9	Cold Water Inlet	2"
10	Secondary Return Inlet	3/4"

