

ProStor SC 300
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

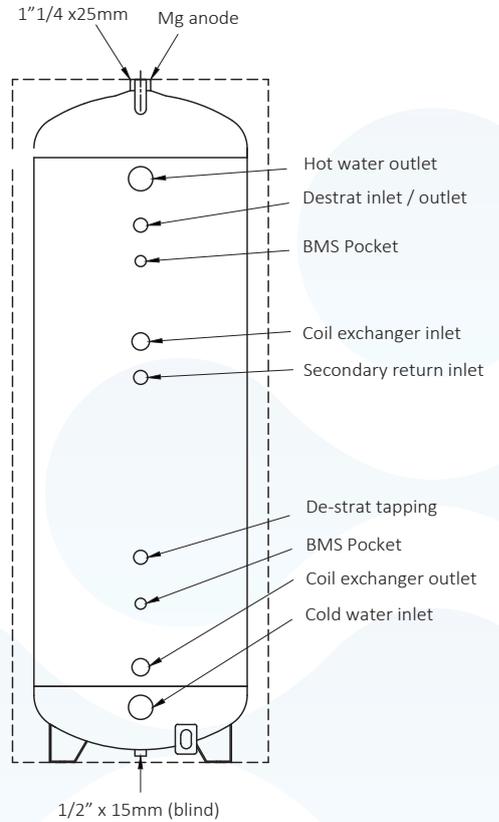
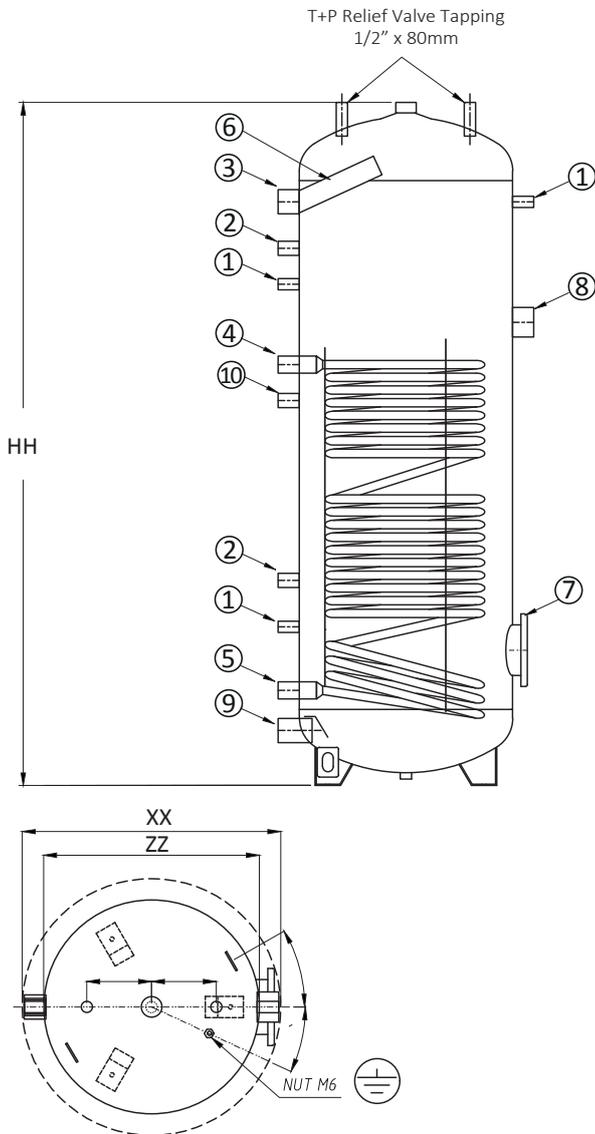


Technical Specification

Capacity	273 litres
Heat Input	3m ²
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	1615mm
Total Diameter with Insulation	600mm
Total Diameter without Insulation	500mm
Weight Empty	115 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 300 Single Coil Indirect DHW Cylinder



Dimensions (mm)

HH	1615
XX	600
ZZ	500

Performance @ Flow & Return

80°C/60°C

Heat Input	90 kW
1st Hour Hot Water ΔT 50°C	1820 litres
DHW Flow Rate ΔT 50°C	1547 litres
Vessel Recovery Rate	13 mins
Primary Flow Rate Required	1.07 lit/sec
Coil Pressure Loss	53 kpa

Connections

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

