

ProStor SC 1000
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

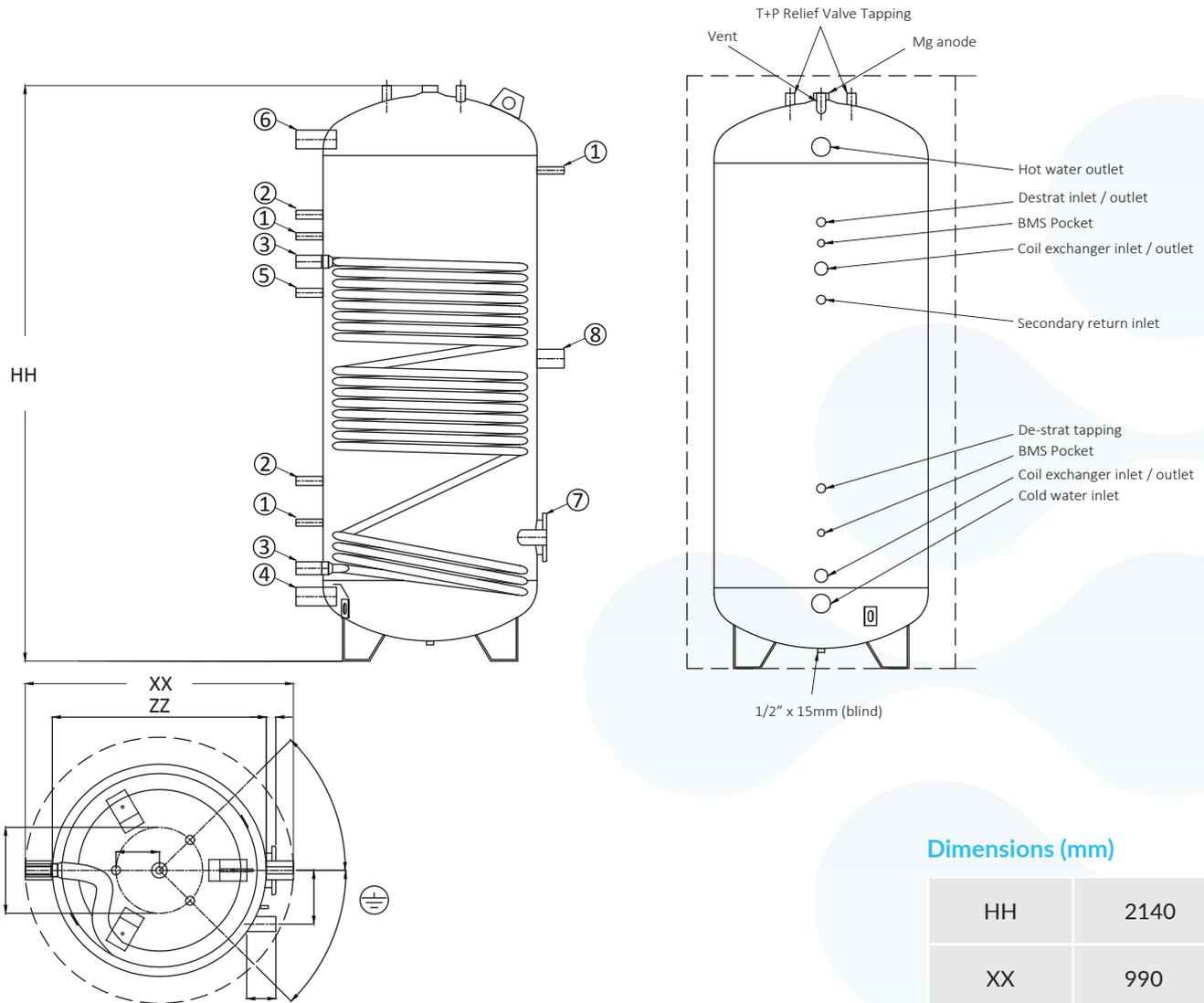


Technical Specification

Capacity	930 litres
Heat Input	7m ²
Orientation	Vertical
Construction Materials	High Quality Steel with WRAS Approved Vitreous Lining
Insulation Material & Thickness	100mm Soft Polyurethane with PVC Outer Jacket
Standing Energy Losses*	142 w/hr 3.41 kwh/24hrs
Total Height with Insulation	2140mm
Total Diameter with Insulation	990mm
Total Diameter without Insulation	790mm
Weight Empty	245 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

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Dimensions (mm)

HH	2140
XX	990
ZZ	790

Performance @ Flow & Return

80°C/60°C

Heat Input	150 kW
1st Hour Hot Water ΔT 50°C	3509 litres
DHW Flow Rate ΔT 50°C	2579 litres
Vessel Recovery Rate	22 mins
Primary Flow Rate Required	1.79 lit/sec
Coil Pressure Loss	45 kpa

Connections

1	BMS Sensor Pocket	½"
2	De-stratification Inlet / Outlet	¾"
3	Coil Heat Exchanger Inlet / Outlet	1 ¼"
4	Domestic Cold Water Inlet	2"
5	HWS Secondary Return Inlet	¾"
6	Domestic Hot Water Outlet	2"
7	Flanged Inspection Access	180/120 mm
8	Optional Immersion Heater	2"

