Ultra High Performance Unvented Indirect Hot Water Cylinder

PRODUCT DATA SHEET

EUHPC50060V-RH-ECO

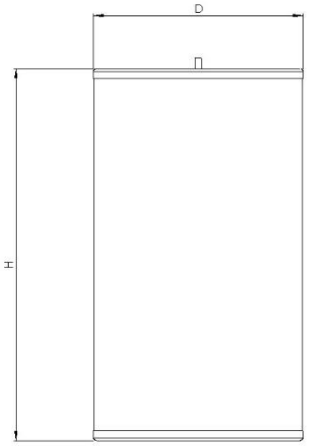
Product Description

Element Eco High Performance unvented hot water cylinders are built to a high standard of quality and are manufactured from high grade duplex stainless steel. The standard operating pressure of the Element Eco range starts at 4.5 bar, with 6 bar available where required, and Inlet and outlet connections are 28mm as standard allowing high flow rates of up to 77 l/min – a high pressure, high flow solution. This Air Source Heat Pump compatible range also features an up-rated primary coil (3.0-4.0m²) designed to work with typical flow and return temperatures.

The Element Eco Indirect cylinders are supplied as standard with a combination inlet valve (incorporating pressure reducing valve, safety relief valve, balanced cold water connection, and non-return valve), a factory-fitted temperature and pressure relief valve, 1 x 3kW back-up immersion heater, secondary return connection, two port motorised zone valve and a suitably sized expansion vessel providing a complete package for your installation.

Dimensions

Height (H)	1690 mm
Outer Diameter (D)	750 mm
Dry Weight	78 kg



ERP Rating **C**

Approx Coil Surface Area (m²)	Approx Coil Volume Area (m²)	Recommended Flow rates through Coil. (l/s)	Coil Pressure Drop- At Recommended Flow (kpa)
4	18.35	0.35	30

- Approvals: CE, UKCA, ISO
- Building Standards: BS 853-1-1996 & BS-12-897
- Building Regulations: Part G & L
- Guarantee: internal cylinder 25 years. Ancillary components 1 year

Specification

Inlet connection size	28 mm
Outlet connection size	28 mm
Secondary Return Connection	1/2" BSP
Immersion Heater	1 x 3kW 1ph
Insulation Thickness	50 mm
Volume (Nominal)	500 ltrs
Pressure Range	6 bar
Expansion Vessel	80 ltrs
Heat Loss	2.74 kWh/24hr @ 65°C
Coil Rating*	26kW
Reheat Time**	42 mins
Continuous Volume***	555 ltrs/hr
Coil Diameter	DN25

*Based on primary flow / return temp of 55/45 °C

**Based on 70% draw-off at ΔT 45°C.

***Based on discharge water temperature of 50°C

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