

Ultra High Performance Unvented Indirect Reduced Height Hot Water Cylinder

EUHPC50045V-RH

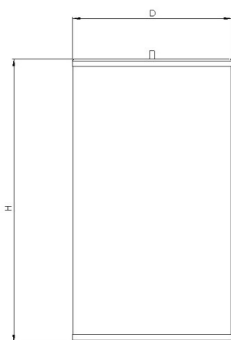
Product Description

Element Ultra 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 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.

The Element 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), 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
Weight	78 kg



ErP Rating

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Approx Coil Surface Area (m²)	Approx Coil Volume Area (m²)	Recommend-ED Flow rates through Coil. (l/s)	Coil Pressure Drop-At Recommended Flow (kpa)
1.1	4	0.28	30

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



PRODUCT DATA SHEET



Specification

Inlet connection size	28 mm
Outlet connection size	28 mm
Secondary Return Connection	1/2" BSP
Immersion Heater	1 x 3kW lph
Insulation Thickness	50 mm
Volume (Nominal)	500 ltrs
Pressure Range	4.5 bar
Expansion Vessel	80 ltrs
Heat Loss	2.74 kWh/24hr @ 65°C
Reheat Time**	40 mins
Coil Rating*	30 kW
Coil Diameter	DN20

*Based on primary flow / return temp of 80/60 °C

**Based on 70% draw-off at ΔT 45°C.

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