

# Ultra High Performance Unvented Indirect Hot Water Cylinder

## EUHPC21545V

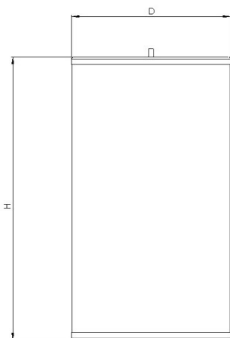
### Product Description

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)         | 1484 mm |
| Outer Diameter (D) | 576 mm  |
| Weight             | 50 kg   |



ErP Rating

**B**

| 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) |
|-------------------------------|------------------------------|---------------------------------------------|----------------------------------------------|
| 0.75                          | 3                            | 0.32                                        | 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        | 60 mm                |
| Volume (Nominal)            | 215 ltrs             |
| Pressure Range              | 4.5 bar              |
| Expansion Vessel            | 35 ltrs              |
| Heat Loss                   | 1.39 kWh/24hr @ 65°C |
| Reheat Time**               | 26 mins              |
| Coil Rating*                | 20 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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