

# Ecoline GEO - RI HP - heat pump cylinder with electric booster



## Large capacity heating coil for heat pumps

The Ecoline Geo is a purpose-designed heat pump ready unvented cylinder, providing high heat pump input from the extremely large heating coil and substantial dedicated heat pump volume. The Ecoline Geo has an electric immersion heater for boosting temperature in the upper part of the cylinder. High performance fully flooded design, with expansion vessel and motorized valve supplied with the cylinder.

Heat pump installations using the Ecoline Geo can be eligible for government backed Renewable Heat Incentive.

Ecoline Geo is ideal for connection with all single phase heat pumps up to 14 kW for a high performance system. Geo 200 is suitable for heat pumps up to 10 kW and has a 19 m coil. GEO 150 is suitable for heat pumps up to 6 kW and has a 14m coil.

The positioning and size of the coil in the Ecoline Geo maximizes the use of air-source or ground-source energy from the heat pump. An electric immersion heater is fitted in the top half of the cylinder for boosting the temperature, which, from the heat pump, is typically 50-60°C. The fully flooded design offers a superior hot water performance, and the separate external expansion vessel is supplied with wall bracket and flexible hose. The heating coil supports optimum heat transfer for heat pumps up to 14kW and is made from smooth pipe to prevent limescale accumulation. The 25m length and 8 litre water content of the OSO heat pump coils give them superior heat transfer performance.

GEO cylinders are supplied with bosses and dry pockets for insertion of temperature sensor probes at low and high levels to interact with Heat Pump.

### ADVANTAGES

- Specifically designed for air-source or ground-source heat pumps up to 14 kW
- Immersion heater for boosting temperature from heat pump unit
- OSO ECO Foam insulation and 25 year guarantee

### PRODUCT DATA

Guarantee	Tank 25 yrs* - parts 2 yrs
Insulation	ECO Foam - water based
Certification	CE / KIWA
El. element	5/4" thread
Thermostat	40-70°C (preset 60°C)
Exp. vessel	External
Safety valve	10 bar/90-95°C - fitted

\*Subject to T&C

### Technical Data Fiche

Prod. No.	Product code:	Capacity persons	Weight kg.	DiaxHeight mm.	Coil rating kW*	Volume L	Heat loss kWh/d	Heat loss W	Rating ErP
132 6440	RI HP 200 - 3kW/1x240V+coil 1.4m <sup>2</sup>	2.5	49	ø580x1150	26.9	183	1.54	64	C
132 6540	RI HP 250 - 3kW/1x240V+coil 1.8m <sup>2</sup>	2.5	55	ø580x1400	29.7	228	1.80	75	C
132 6640	RI HP 300 - 3kW/1x240V+coil 1.8m <sup>2</sup>	3.5	65	ø580x1600	27.1	266	1.99	83	C

\*Tested to BS EN 12897

Subject to changes without notice