

# A-Class heat pump cylinder with buffer

## ECS150HP40A-580

Innovative EC-Eau Smart cylinders are a key feature of the A-Class range. By incorporating an onboard, pre-wired “water module” controller and integrated heating system hydraulic components, EC-Eau Smart makes the entire system as fast and cost effective to install as possible.



- G3 compliant and KIWA approved duplex stainless steel unvented cylinder with 40L integral buffer tank, designed specifically for the Dimplex A-class heat pump.
- Complete with prebuilt wiring centre assembly for the immersion heaters and sensors.
- Factory fitted with 60mm of CFC/HCFD free foam insulation.
- Integral 28mm stainless steel high surface area heat exchanger. Supplied with pre-formed pipework elements, inlet safety group, expansion vessel, T+P valve and tundish.
- Parts and labour guarantee on the cylinder vessel for 25 years and 2 years on other components.
- Additional [information](#) available from the Dimplex downloads area.



Model Reference	ECS150HP40A-580
- weight empty / full	42kg / 226kg
- hot water draw off capacity* / actual capacity	125 l / 144 + 40 l buffer
- heat loss*	1.31 kWh
- dimensions - height / diameter	1380 mm / 580 mm
- inner cylinder / outer cylinder	Duplex stainless steel LDX2101 / HIPS
- insulation	60mm PU foam (GWP=1, ODP=0)
- maximum potable water temperature	70°C
- maximum heating water temperature	95°C
- max. working pressure / max. design pressure	3 bar / 6 bar
- min. dynamic pressure / max. static pressure	1.5 bar / 12 bar
- minimum flow rate	15 l/min
- cold water inlet / hot water outlet	22mm stainless steel
- coil flow and return	28mm stainless steel
- heat pump coil surface area	2.2 m <sup>2</sup>
- HX performance heat pump coil	46 kW
- immersion heater	1 ¾ F BSP 3kW @ 240 V
- pressure reducing valve and strainer	3 bar
- expansion relief valve	6 bar
- temperature and pressure relief valve	½" 7 bar/90°C
- factory pressure test	12 bar

\*Determined in accordance with EN12897 test procedures

