

A-Class heat pump cylinder with buffer

ECS210HP40A-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 | ECS210HP40A-580 |
|--|---------------------------------------|
| - weight empty / full | 50kg / 295kg |
| - hot water draw off capacity* / actual capacity | 193 l / 204 + 40 l buffer |
| - heat loss* | 1.53 kWh |
| - dimensions - height / diameter | 1765 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 ² |
| - HX performance heat pump coil | 43 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

