



## Stainless steel unvented cylinders for heat pumps and solar thermal

### Key features

Unvented stainless steel cylinders for heat pumps and solar

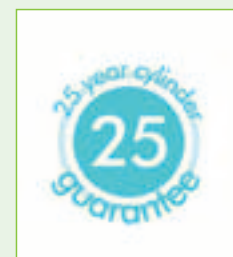
- Heat pump range with models from 125 to 300L
- Solar range with models from 175 to 300L
- Optimally sized, high surface area heat exchangers for heat pump/solar operation
- Mains pressure hot water for fast filling baths and powerful showers
- Simultaneous supply of water to all bathrooms
- Long life low maintenance hot water supply
- Tough, easy to clean outer casing – made from recycled materials
- Immersion for sterilisation and back up heating
- 60mm of CFC-free foam injected insulation for excellent heat retention – minimising heat loss and energy consumption
- Stainless steel inner cylinder with 25 year guarantee
- Supplied with expansion vessel and all the necessary safety equipment required by governing legislation

### Mains pressure hot water with full eco-credentials.

EC-Eau, the new range of unvented stainless steel cylinders from Dimplex, is designed specifically to deliver mains pressure hot water from renewable energy sources.

EC-Eau heat pump cylinders are specified with large, high surface area heat exchangers, specifically sized to match the requirements of Dimplex heat pumps, while solar models are available in a choice of single or dual coil options.

Environmental sensitivity and efficient performance are key attributes of the EC-Eau range, which boasts 60mm of low GWP insulation foam and innovative measures throughout to reduce heat loss, together with the use of 100% recyclable stainless steel inner components and a sleek black, hard wearing outer shell manufactured from completely recycled materials.



### Sustainable Materials

- Inner vessel manufactured from premium grade Duplex stainless steel:
  - Lightweight yet ultra high strength and stress/corrosion resistant, ensuring long cylinder life
  - 100% recyclable
  - No need for sacrificial anode
  - 25 year warranty
- HIPS/ABS outer cladding
  - Produced from 100% recycled material
  - Hard wearing, flexible and damage resistant
- CFC/HCFC free injected foam insulation
- 60% of all materials (excluding insulation) by volume recycled

### Superior Operational Performance

- High flow rates for efficient hot water delivery
  - Powerful showers and fast filling baths
- Corrugated coil construction maximises surface area while maintaining high usable volume
- Light and easy to handle for easy installation
- Surface mounted thermostats and sensors for easy installation and maintenance/replacement
- Supplied complete with inlet safety group and external expansion vessel
- All connections accessible from the front



### Environmentally Sound Performance

- Designed for use with renewable sources of heat production – heat pumps and solar thermal systems
- Side hot water draw off connection, minimises heat losses through the top of the cylinder
- 60mm of injected polyurethane foam insulation
  - Exceeds "CHES" best practice standards for low heat loss and heat recovery
  - Completely void free, including insulation around immersions and thermostats
- Recessed immersion heater and thermostat housings reduces heat loss
- Large surface area coil for use with heat pumps
- Up to 125l dedicated solar volume (ECS ST models) to maximise use of renewable energy

### Heat pump cylinders

MODEL	ECS125HP-580	ECS150HP-580	ECS210HP-580	ECS250HP-580	ECS300HP-580
Nominal volume (l)	125	150	210	250	300
Diameter (mm)	580	580	580	580	580
Height (mm)	960	1130	1504	1780	2080
Expansion vessel (l) (external)	12	12	19	24	24
Coil surface area (m <sup>2</sup> )	2.2	2.8	3.0	3.0	3.2
Secondary return	–	–	Yes	Yes	Yes

### Solar cylinders

INDIRECT MODEL	ECSi175ST-580	ECSi210ST-580	ECSi250ST-580	ECSi300ST-580
DIRECT MODEL	ECSd175ST-580	ECSd210ST-580	ECSd250ST-580	ECSd300ST-580
Nominal volume (l)	175	210	250	300
Diameter (mm)	580	580	580	580
Height (mm)	1280	1504	1750	2080
Expansion vessel (l) (external)	19	19	24	24