



## UNVENTED HEAT PUMP CYLINDER



**McDONALD ENGINEERS**  
HOT WATER SYSTEMS

energy efficient hot water cylinders since 1945



# UNVENTED MAINS PRESSURE SYSTEM

Designed to enhance the performance of Heat Pumps, the ECOflow copper hot water cylinder, comes pre-fitted with our high performance heat pump copper coil. All the connections are compression fittings and suit standard heat pump installations. Insulated with a white cased finish, it delivers a GWP rating of <1 and an ODP of zero.

Based on our highly successful POWERflow 2000, the ECOflow heat pump cylinder is the solution you can trust, for reliability, durability and performance.

## Why Copper Cylinders for Heat Pumps

Many heat pump manufacturers are now insisting on the use of copper cylinders with their products, due to the improved performance copper offers.

- Copper's thermal conductivity rating is almost 30 times greater than that of stainless steel.
- High efficiency finned copper coils, provide one of the most effective heat transfer processes on the market.
- Copper has unrivalled bacteria killing properties, even at the lower temperatures achieved by heat pump sources.
- Copper is 100% recyclable.

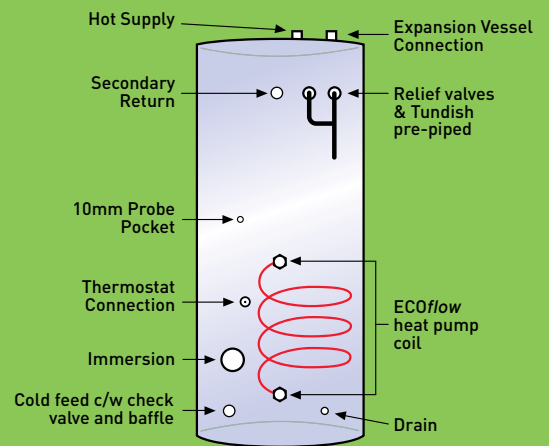
## TECHNICAL DATA

### SIZING GUIDE

Installation	Indirect
1 bedroom + bath/shower	150
2 bedroom + bath/shower	180
3 bedroom + bath/shower	210
4 bedroom + bath/shower	250/300
Larger Properties	300+

\* Other sizes and capacities available on request

### ECOflow Schematic



## OPTIONS

- INTEGRATED BUFFER VESSEL
- INDIVIDUALLY TAILORED UNITS
- EXTRA COILS - SOLAR, BOILER ETC.
- LARGER DIAMETER VALVES

PLEASE CALL US TO DISCUSS YOUR BEST OPTIONS ON 01592 611123 OR EMAIL SALES@MCDONALD-ENGINEERS.COM

## CUSTOM DESIGNED CYLINDERS FOR CONTRACTS AND ONE-OFF PROJECTS

Although we carry an extensive range of standard products, a large part of our operation is manufacturing custom designed cylinders, to facilitate large contracts or for one off projects.

- Custom cylinders for large production contracts
- One-off cylinders
- Any height
- Wide Range of Diameters
- Up to 100mm Lagging - improving SAP ratings
- Additional connections to facilitate multiple fuels or underfloor heating
- Pre-plumbed features such as pumps, zone valves, solar differential controllers etc.
- Special positioning of connections, to make the installation quicker, easier and cheaper

Whatever your requirements, our team are on hand to ensure you get the cylinder exactly the way you need it, using the fuel source you desire.



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