

ECOCUBE

Thermal Store Range

The 'A' rated ERP
compact thermal store range
providing mains pressure hot water



McDonald
Water Storage
Hot Water Storage Solutions



Thermal Store Range Providing Space Saving Solution With Bespoke Design Flexibility

The ECOcube is specifically designed for smaller properties with a low hot water requirement (such as low occupancy or bedsit properties) with restricted spaces.

The compact 80 litre and 100 litre models provide an extremely small footprint, whilst still providing a high performance, mains pressure hot water solution.

This market leading 'A' rated thermal store utilises a unique combination of insulation techniques to minimise the heat loss and improving efficiencies.

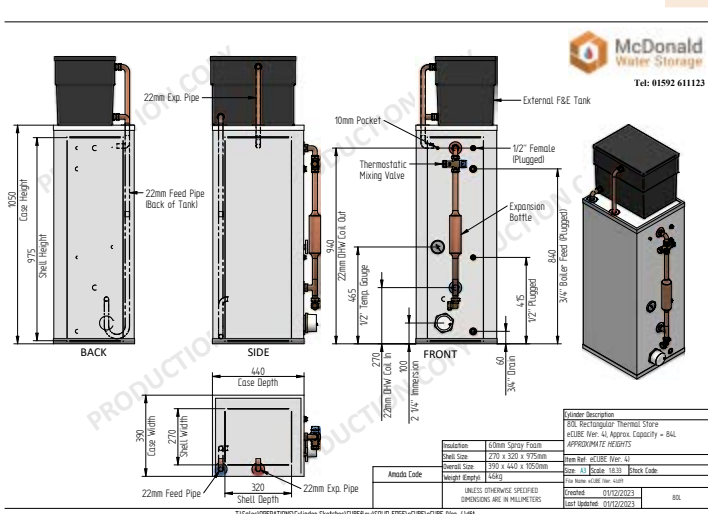
With our space saving solution, we can offer significant cost savings both during installation and ongoing running costs.



Discover The Benefits Of The 'A' rated ECO*cube* Thermal Store



Design Flexibility To Suit Your Installation Requirement



We have specifically designed the ECO*cube* to suit the tightest available spaces within an apartment, where space is at a premium, maintaining the smallest footprint possible, freeing up cupboard space for additional storage.

In addition to the standard sizes shown in this brochure, the thermal store can also be bespoke manufactured to meet your installation requirement.

Having a remote feed and expansion tank also allows for it to be located at a higher level within the cupboard, again allowing for additional storage space.

Thermal Store Advantages

For Both Installers and Homeowners



A thermal store provides many additional benefits over an unvented cylinder, not only for the homeowner but the installer and specifier including;

- No risk of legionella as the domestic hot water is mains cold water instantaneously heated, not stored water
- No annual safety service requirement as open vented and inherently safe, removing ongoing maintenance costs
- No discharge pipework providing flexibility of installation
- Bespoke manufacture to suit any installation requirement
- No G3 certification required for installation

Designed With Future Heat Sources In Mind

Whilst the ECOcube has primarily been designed for use with electricity through the immersion, we do not want to restrict solely to this.

As a result we have future proofed the ECOcube to accommodate additional primary heat sources such as boilers and heat pumps.

We have also developed add on packages to allow for higher storage temperatures or solar PV input.





COMPONENTS

1. Manual Feed and Expansion Tank
2. Open Vent
3. Cold Feed
4. 22mm Hot Draw Out - c/w TMV
5. Expansion Chamber
6. 22mm Cold Mains In
7. 3/4" Drain
8. 2" Dial Temperature Gauge
9. 3kW Immersion Heater
10. 1/2" Female (Plugged)
11. 3/4" Female (Plugged)
12. 1/2" Female (Plugged)
13. 10mm Sensor Pocket

KEY BENEFITS

- Compact & reduced space used
- A rated ERP – reduced running costs
- Mains pressure hot water
- No discharge pipework
- No annual maintenance
- No G3 certification required for installation

Options available for added benefits

- Automatic fill F&E tank
- Bespoke design flexibility
- DHW pipework insulation

The ECOcube is a direct thermal store, but built with the future in mind to incorporate other heat sources, to provide mains pressure hot water.

This thermal store can be used with standard electric tariffs or off-peak electric tariffs to load shift the electricity usage to lower cost periods to heat the store, whilst providing domestic hot water when it is required, keeping running costs for the householder down to a minimum.

Being open vented it is inherently safe and therefore does not require any discharge pipework as unvented cylinders, which can prove problematic in apartment installations.

The ECOcube is available in standard sizes (shown below) or bespoke manufactured to the specific installation requirements, providing the ultimate hot water solution.

Model No.	TEC80	TEC100
Storage Capacity (Litres)	80	100
V40 Draw Off Volume (Litres @80°C store temp)	93	111
Height	1095	1320
Depth	440	440
Width	390	390
ERP Class	A	A
Standing Heat Loss (watts)	31W	35W

Sizes shown above are indicative only. If F&E tank sited on top of the unit, add 300mm to height.

Increase The Store Temperature Increase Energy Storage



There are a range of bolt on packages available to expand the functionality of your ECOcube thermal store.

By adding an ELECTRAflow controller to the package allows for;

- Increase of temperature to 85 degrees, providing up to an additional 28% energy storage
- Allows for up to 3 charge periods to be set to suit your individual hot water requirements

Why Send Electricity To The Grid When It Can Be Used For Your Hot Water

Where there is solar PV input available into the property, the ECOcube can utilise the excess PV electricity by incorporating the Solar iBoost system, or similar product.

This enables rather than feeding excess electricity back to the grid, it can be used for your hot water generation, reducing its running costs.



Discover Our Complete Range Of Hot Water Storage Solutions

Thermal Stores

Unvented Cylinders

Elson Replacement Solutions

Open Vented and Combination Cylinders

Commercial Cylinders

Bespoke Design and Manufacture



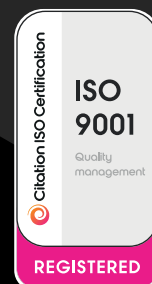
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Hot Water Storage Solutions

Pride in our
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