CALORIFIERS

PREMIUM QUALITY COMMERCIAL, INDUSTRIAL AND MARINE CALORIFIERS





Hot Water Storage Solutions

CALORIFIERS

McDonald Water Storage manufacture a wide range of Calorifiers to suit Vented and Unvented <u>Installations and are widely recognised</u> as the specialists in renewable energy calorifiers.

The growth in demand for Copper calorifiers is largely thanks to coppers' enhanced thermal conductivity, as well as its excellent non-corrosive and anti-bacterial qualities. These are proven to be more effective at eradicating germs such as MRSA, E-coli and Legionella.

Quality is paramount and every McDonald Water Storage Calorifier is manufactured to BS853 and

follows a BSI approved quality plan to ISO 9002. Each unit is rigorously tested to ensure problem free installation and operation.

Other materials are available on request.

Sizing and technical advice are readily available to ensure each unit is suitable for the capacity and pressure required. Design sketches are also available for individual projects. We carry a wide range of sheets, spinnings and other materials. This helps us to provide a rapid delivery often within one week.

THE ADVANTAGES OF COPPER

- Tried and tested material
- Proven to be healthy and safe
- Long-Lasting
- 100% Recyclable, benefiting the environment



CALORIFIER TYPES

VERTICAL - Mounted on steel or copper ring stand or legs as required.

HORIZONTAL - can be supplied with support cradles to suit.

DIRECT - Electrically Heated by Immersion Heater. **INDIRECT** - Heated By Boiler, Heat Pump or similar. **BUFFER VESSELS** - Providing additional storage for secondary or primary water.

RENEWABLES - All units can be manufactured to suit renewable input, such as Solar or Heat Pumps. Copper is the ideal material to maximise the gains from the lower temperatures often involved.

MARINE CALORIFIERS - A wide range of options and sizes are available. This coupled with a rapid availability - often required where refits and repairs need a quick turnaround.

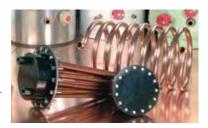
BESPOKE CALORIFIERS

We have an enviable position in the market for ability to design, manufacture and supply some of the most complex and technical calorifiers thanks to our inhouse expertise and our advanced machining capabilities. Whether its sizing, multi-fuel applications or connections, our team are only too happy to help. This enables you to get exactly what your project requires without compromising on any aspect.

PRIMARY HEATERS

Indirect units can have either a Fixed Coil or a removable 'U' Tube Battery, both suitable for Water

or Steam. Fixed
Coil types are more
economical and an
access manhole
can be added if
access is required for
maintenance.



CALORIFIER OPTIONS

Thermal Insulation

Polyurethane Foam Lagging is most economical but Rockwool insulation with a Galvanised Steel case is also available for a more aesthetically pleasing finish.

Rapid Recovery

State the re-heat time required and what kW input is available and a Primary heater will be designed to suit.

Immersion Heaters

Calorifiers are as standard supplied with 2¼" Immersion bosses and Immersions can be supplied with up to 18kW to fit these. Flanges can be fitted to take more highly rated Immersions, which we are also able to supply. Control Panels are also available.

De-stratification Pumps

These can be fitted with the appropriate internal pipework to suit. These eliminate the risk of legionella.

Inspection Openings

Allowing access for inspection or cleaning.

Gauges, safety valves, lifting lugs etc.

A complete range of gauges and valves are available on request.



Plate Heat Exchangers

These can be linked to Calorifiers for high peak demand. See our separate brochure.

DIMENSIONS* (GENERAL GUIDE)

Capacity	Shell Size	Capacity	Shell Size
450 litres 500 litres 550 litres 600 litres 700 litres 700 litres 800 litres 900 litres 1000 litres 1200 litres 1500 litres	1800 x 600mm 2000 x 600mm 2200 x 600mm 1800 x 675mm 2150 x 675mm 1700 x 750mm 1950 x 750mm 2200 x 750mm 2200 x 800mm 1750 x 900mm 2050 x 900mm 2500 x 900mm	1500 litres 1800 litres 1800 litres 2000 litres 2000 litres 2500 litres 3000 litres 3000 litres 3500 litres 4000 litres	2000 x 1050mm 2400 x 1050mm 1750 x 1200mm 2500 x 1050mm 1950 x 1200mm 2450 x 1200mm 1900 x 1350mm 2900 x 1200mm 2300 x 1350mm 2700 x 1350mm 3050 x 1350mm