ELECTRIC WET CENTRAL HEATING SYSTEM

Solar & Solid Fuel Options Available

McDonald Water Storage
Hot Water Storage Solutions
**ELECTRIC WET CENTRAL HEATING SYSTEM**

**ELECTRAflow** is a combined electric boiler and storage cylinder. The **ELECTRAflow** is powered by long life immersion elements and controlled by a purpose made easy to use controller. The unit provides primary hot water to heat standard “wet” radiators and also provide domestic hot water.

**ELECTRAflow** provides the comfort and convenience of wet central heating and hot water for a wide range of properties - new housing, multi-storey buildings, rural housing and areas with no natural gas supply. It offers a cost effective option to other forms of heating - night storage, oil or LPG. Thermal store units offer the best flexibility, suiting all tariffs and suitable for solar and solid fuel. Unvented and vented units are also readily available. Our **ELECTRAflow** can also be made in our rectangular **CUBEflow** pattern.

**WHY CHOOSE ELECTRAflow**
- Provides wet central heating
- No annual boiler maintenance
- Economy tariffs available
- No flue required, compact and easy to site
- 99% efficient
- No Gas Certification required
- Solar, Solid Fuel and Wind Turbine options available
- No gas or oil tanks

**THE ADVANTAGES OF COPPER**
- Tried and tested material
- Proven to be healthy and safe
- Long-Lasting
- 100% Recyclable, benefiting the environment

---

<table>
<thead>
<tr>
<th><strong>ELECTRAflow</strong></th>
<th><strong>ELECTRAflow</strong></th>
<th><strong>ELECTRAflow</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THERMAL STORE</strong></td>
<td><strong>UNVENTED</strong></td>
<td><strong>VENTED</strong></td>
</tr>
<tr>
<td><img src="image1" alt="Diagram" /></td>
<td><img src="image2" alt="Diagram" /></td>
<td><img src="image3" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Vented Store With Mains Pressure Hot Water
Mains Pressure Hot Water And Sealed Heating System
Vented Hot Water And Heating

---

www.mcdonaldwaterstorage.com  |  HELPLINE 01592 611123
A. Cold mains with isolating valve to feed integral feed & expansion tank via maintenance free ball valve and copper float (cylinder type with remote tank available).
B. Hot Out C/W Mixing Valve
C. Expansion Chamber
D. Cold Mains In, fitted with Check Valve and Strainer
E. Heating Flow*
F. Heating Return*
G. Central Heating & Hot Water Elements
H. Thermometer
I. Thermal Store
J. High Efficiency Secondary Coil
K. Solid Fuel Flow – Optional
L. Solid Fuel Return – Optional
M. Solid Fuel Overheat Stat – Optional
N. Solar Coil – Optional
O. Drain Connection

* Sealed System Heating Coil can be supplied.

UNVENTED AND VENTED

A. Draw Off
B. Unvented or Vented Hot Water Storage Cylinder
C. Hot Water Element
D. 22mm Cold Feed, (PRV and Check Valve Supplied*)
E. Central Heating Elements
F. Drain Connections
G. Heating Flow
H. Heating Return
I. Relief Valves and Tundish*
J. Expansion Vessel*

* Unvented Hot Water Units Only.
ELECTRIC WET CENTRAL HEATING SYSTEM

TECHNICAL & CONTROLLER FUNCTION

• 3-12 kW For Heating (please specify)*
• 3-6 kW For Hot Water*
• 7 Day Programmable Timeswitch
• Compact & Easy to Use
• Winter Setting
• Comprehensive Control for Pump and Room Stat
• High Limit Safety Cut-Out
• 2 Year Guarantee

*Supply permitting

OPTIONS

• Solar High Efficiency Coil Fitted
• Solid Fuel Compatibility
• Tailor-made Units
• Higher than 15kW Rated Units
• Thermal Store, Unvented or Vented Storage
• Sealed or Open Vented Heating
• White Cased Finish
• Alternative Heights, Diameters and Capacities
• Remote Hot Water Boost Button

HOW TO SPECIFY

To decide which type of unit is most suitable for you, please specify the following:

• Heat Loss of Property in kW
• Hot Water Requirements
• Proposed Electrical Tariff
• Sealed or Open Vented Heating
• Space Available
• Any Options e.g. Solar, Solid Fuel etc.

TECHNICAL DATA

DIMENSIONS

THERMAL STORE Dimensions Inc. Insulation

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>210 Litre Combination</td>
<td>1700 x 550mm</td>
</tr>
<tr>
<td>250 Litre Combination</td>
<td>1700 x 600mm</td>
</tr>
<tr>
<td>300 Litre Combination</td>
<td>2050 x 600mm</td>
</tr>
<tr>
<td>450 Litre Combination</td>
<td>2050 x 700mm</td>
</tr>
</tbody>
</table>

UNVENTED OR VENTED Dimensions Inc. Insulation

<table>
<thead>
<tr>
<th>Size</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 Litre Cylinder</td>
<td>1300 x 550mm</td>
</tr>
<tr>
<td>150 Litre Cylinder</td>
<td>1500 x 550mm</td>
</tr>
<tr>
<td>180 Litre Cylinder</td>
<td>1700 x 550mm</td>
</tr>
<tr>
<td>210 Litre Cylinder</td>
<td>1900 x 550mm</td>
</tr>
<tr>
<td>250 Litre Cylinder</td>
<td>1900 x 600mm</td>
</tr>
<tr>
<td>300 Litre Cylinder</td>
<td>2200 x 600mm</td>
</tr>
</tbody>
</table>

Other sizes and capacities available.

In the interest of continued development, the manufacturers reserve the right to change specification and design without notice.

WIDE RANGE OF OPTIONS AVAILABLE.
CALL 01592 611123 FOR EXPERT ADVICE.