

**ELECTRAFLOW**

ELECTRIC WET CENTRAL HEATING SYSTEM

**SOLAR & SOLID FUEL  
OPTIONS AVAILABLE**



**McDonald  
Water Storage**

Hot Water Storage Solutions

# ELECTRAflow THERMAL STORE

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

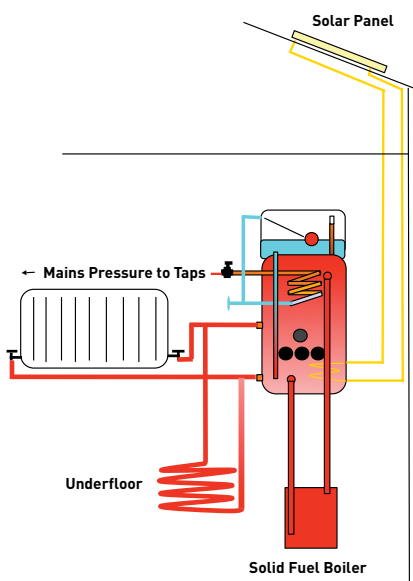
- Provides wet central heating
- No annual boiler maintenance
- Economy tariffs available
- No flue required, compact and easy to site
- 99% efficient
- No Gas Certification required
- Solar, Solid Fuel and Wind Turbine options available
- No gas or oil tanks

## THE ADVANTAGES OF COPPER

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

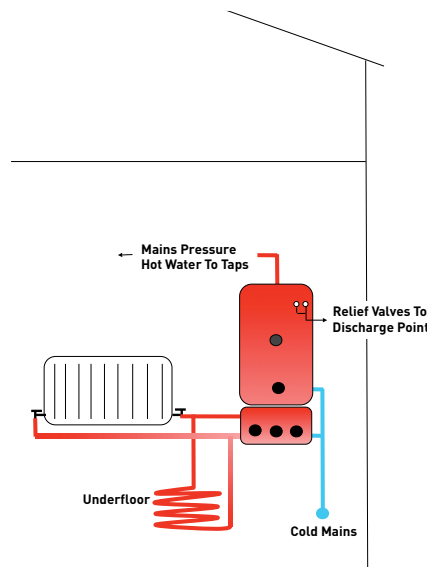


### ELECTRAflow THERMAL STORE



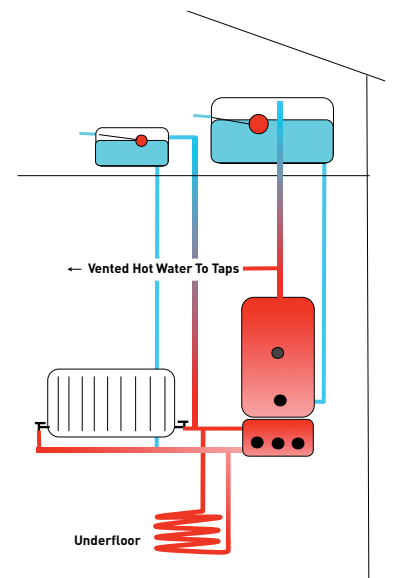
Vented Store With Mains Pressure Hot Water

### ELECTRAflow UNVENTED



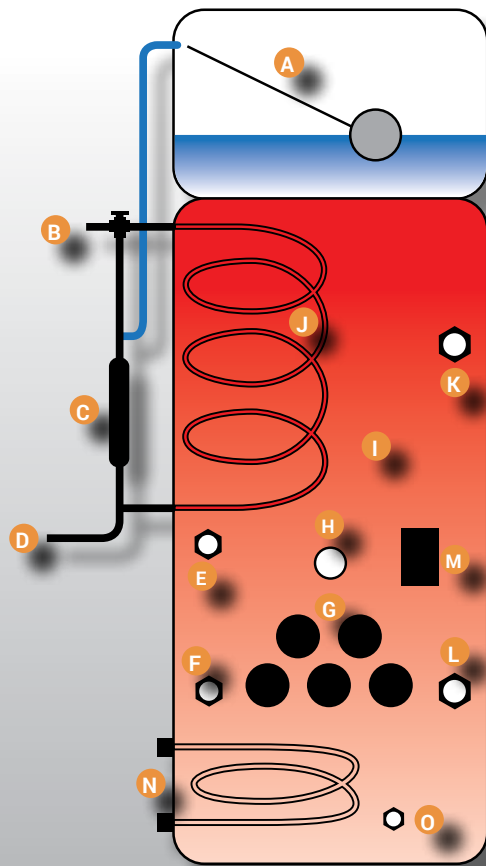
Mains Pressure Hot Water And Sealed Heating System

### ELECTRAflow VENTED



Vented Hot Water And Heating

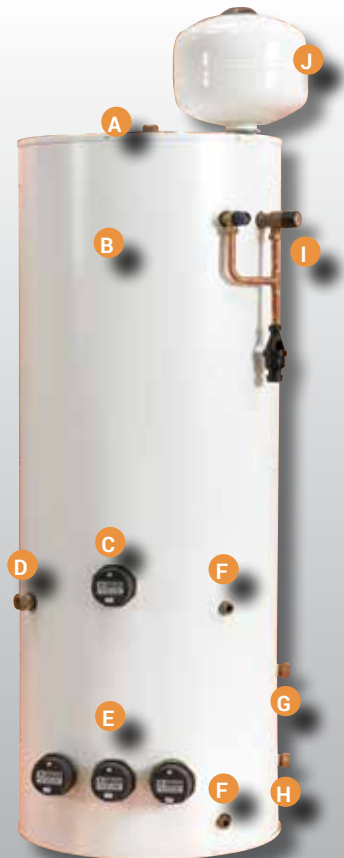
## ELECTRAFLOW THERMAL STORE TYPE SCHEMATIC



- 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.

## ELECTRAFLOW 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.

**OTHER OPTIONS AVAILABLE - CONTACT 01592 611123**

## TECHNICAL DATA

### 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.

## DIMENSIONS

THERMAL STORE	Dimensions Inc. Insulation
210 Litre Combination	1700 x 550mm
250 Litre Combination	1700 x 600mm
300 Litre Combination	2050 x 600mm
450 Litre Combination	2050 x 700mm

210 Litre Cylinder	1525 x 550mm
250 Litre Cylinder	1825 x 550mm
300 Litre Cylinder	1825 x 600mm
450 Litre Cylinder	1825 x 600mm

Other sizes and capacities available.

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

UNVENTED OR VENTED	Dimensions Inc. Insulation
120 Litre Cylinder	1300 x 550mm
150 Litre Cylinder	1500 x 550mm
180 Litre Cylinder	1700 x 550mm
210 Litre Cylinder	1900 x 550mm
250 Litre Cylinder	1900 x 600mm
300 Litre Cylinder	2200 x 600mm

Other sizes and capacities available.

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