

THERM*flow* THERMAL STORAGE UNIT ELECTRIC TYPE

THERM*flow* is a thermal storage unit, which supplies mains pressure hot water at flow rates in accordance with the requirements of BS 6700.

IMPORTANT

Mains Cold Inlet Pressure and Flow Rates

A minimum of 2.0 bar incoming pressure is recommended and a pressure reducing valve is required if the pressure is over 5.0 bar. The mains supply to the unit should be in a minimum of 22mm diameter. **If the flow rate exceeds 25 Litres/minute at the taps, it may need to be restricted.**

Double Immersion Types

Both Immersions are fitted at the base of the cylinder, one for use with Off-peak/tele-switching and the other for use as a user controlled boost. **These should be set at 80 Degrees C.**

COMMISSIONING - Electric Type

Connect the mains to the non-return valve and turn the mains on. Allow the Thermal Store to fill slowly via the ball-valve and float (the Secondary System, which is in the form of a high efficiency coil contained inside the cylinder, will also fill).

CHECK FOR LEAKS THROUGHOUT SYSTEM.

Wire the Immersions to suit the installation requirements.

Set the Immersions thermostats to 80°C. The performance of THERM*flow* will be improved the higher the store temperature. Allow power to the Immersion Heaters and heat store to 80°C.

Check that the unit reaches and stabilises at 80°C. Check the hot water at the taps is a suitable temperature for the householder. The temperature can be increased or decreased by adjusting the factory fitted mixing valve.

THERM*flow* are maintenance free and require no annual service. Should any valve or fitting fail, contact McDonald Engineers for a replacement part.

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