

# MULTIFLOW+

THERMAL STORE RANGE  
FOR THE CONTRACT MARKET



McDonald  
Water Storage

Hot Water Storage Solutions

Our new MULTIflow<sup>+</sup> thermal store range is an extension to our MULTIflow range, providing a high performance, mains pressure hot water solution, but with the additional benefits including bespoke design flexibility to suit the installation requirements.

Our thermal store approach can suit multiple installation applications, including electric, boiler or central plant inputs to meet hot water demand. With our unique design and manufacturing solution, we can offer significant cost savings both during installation and ongoing running costs.

Discover The Benefits of a **MULTIflow<sup>+</sup>** Thermal Store

- No costly pumps and electronic controls required - providing piping hot water even during a power outage
- Delivers mains pressure hot water with scald protection and inherent safety of an open vented system
- Flexibility of bespoke design for tappings to suit installation requirements, with slimline options of 450mm and 500mm available
- All models incorporate an integrated feed and expansion tank and store thermometer
- A range of models suitable for use with open vented, sealed or central plant boiler
- No discharge pipework – flexibility for installation position
- Fit and forget solution – with no G3 certification required
- Being copper provides complete peace of mind, killing 99% of bacteria and no risk of Legionella as the hot water is instantaneously heated

## WHY MULTIFLOW<sup>+</sup>

Manufactured from premium grade copper, our MULTIflow<sup>+</sup> mains pressure hot water system delivers unrivalled performance thanks, in part, to copper's superior thermal transfer properties.

One of our key advantages is the extra long finned copper coil which we incorporate into every MULTIflow<sup>+</sup> cylinder. This ensures greater flow rates, improves efficiency and reduces ongoing costs.

This means our MULTIflow<sup>+</sup> thermal store cylinder is designed to achieve a consistently high water temperature due to a combination of our unique design and copper's increased efficiency.



## CONTENTS

<b>MULTIflow<sup>+</sup> compatible with Open Vented Boiler</b>	<b>3</b>
<b>MULTIflow<sup>+</sup> compatible with Sealed Boiler or Central Plant Boiler</b>	<b>4</b>
<b>MULTIflow<sup>+</sup> Slimline range</b>	<b>5</b>



## Open Vented Boiler Compatible

The MULTIflow<sup>+</sup> is a direct thermal store, with the flexibility to be bespoke designed to suit the installation requirements and also incorporate an open vented boiler, to provide mains pressure hot water.

This multi-application thermal store, with integrated F&E tank, can be used with an open vented boiler and/ or off-peak electricity to aggregate the supply to heat the store, and provide 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 associated with unvented cylinders, which can prove problematic in apartment installations.

The design of the MULTIflow<sup>+</sup> also means there is no requirement for costly pumps or additional electronic controls to produce the hot water.

### KEY BENEFITS

- Compatible with open vented boiler
- Maximises the benefit of off-peak electricity supply
- No discharge pipework
- No annual maintenance
- No G3 certification required for installation

### All Units to Following Specification:

- Incorporated Automatic Fill Feed and Expansion Tank
- 22mm DHW Coil & Mixing Valve
- 22mm Flow & Return for Vented Boiler
- 3kW LWD Immersion Heaters (inc. thermostats) Fitted
- 1 Boiler Control Thermostat Pocket
- 2" Dial Thermometer

### COMPONENTS

- |                                |                                      |
|--------------------------------|--------------------------------------|
| 1. Ball Valve & Float          | 8. Boiler Flow                       |
| 2. Hot Draw Out (c/w TMV)      | 9. Boiler Return                     |
| 3. Expansion Chamber           | 10. Boiler Control Thermostat Pocket |
| 4. Cold Mains In               | 11. Overflow                         |
| 5. Top (On Peak) Immersion     | 12. Temperature Gauge                |
| 6. Bottom (Off Peak) Immersion |                                      |
| 7. Drain                       |                                      |

STORAGE CAPACITY	120	150	180	210	250	300
Model No.	TMFP120OV	TMFP150OV	TMFP180OV	TMFP210OV	TMFP250OV	TMFP300OV
ERP Class	C	C	C	C	C	C
Standing Heat Loss (watts)	49	55	59	65	72	80
Height	1130	1300	1500	1700	1700	2050
Diameter	550	550	550	550	600	600
Bedrooms	1	1-2	2 - 3	2 - 3	3	3 - 4
Baths & Showers	1	1	2	2	2	2

Sizes shown above are indicative only, including 50mm insulation and combined F&E tank. Other sizes are available to suit the installation requirements.



## Sealed/Central Plant Boiler Compatible

The MULTIflow<sup>+</sup> is an indirect thermal store, with the flexibility to be bespoke designed to suit the installation requirements and also incorporate a sealed boiler or central plant boiler, to provide mains pressure hot water.

This multi-application thermal store, with integrated F&E tank, can be used with a sealed or central plant boiler and/or off-peak electricity to aggregate the supply to heat the store, keeping running costs for the householder down to a minimum.

Being open vented, the store does not require any discharge pipework associated with unvented cylinders, and the design of the MULTIflow<sup>+</sup> also means there is no requirement for costly pumps or additional electronics.

Where utilised in central plant applications, it provides additional benefits including;

- enable central plant to be turned off in summer
- immersion back up if central boiler fails

### KEY BENEFITS

- Compatible with sealed system or central plant boiler
- Maximises the benefit of off-peak electricity supply
- No discharge pipework
- No annual maintenance
- No G3 certification required for installation

### All Units to Following Specification:

- Incorporated Automatic Fill Feed and Expansion Tank
- 22mm DHW Coil & Mixing Valve
- 22mm Flow & Return for Sealed System or Central Plant Boiler
- 3kW LWD Immersion Heater (inc. thermostats) Fitted
- 1 Boiler Control Thermostat
- 2" Dial Thermometer

### COMPONENTS

- |                                |                              |
|--------------------------------|------------------------------|
| 1. Ball Valve & Float          | 7. Boiler Flow               |
| 2. Hot Draw Out (c/w TMV)      | 8. Boiler Return             |
| 3. Expansion Chamber           | 9. Boiler Control Thermostat |
| 4. Cold Mains In               | 10. Overflow                 |
| 5. Bottom (Off Peak) Immersion | 11. Temperature Gauge        |
| 6. Drain                       |                              |

STORAGE CAPACITY	120	150	180	210	250	300
Model No.	TMFP120SB	TMFP150SB	TMFP180SB	TMFP210SB	TMFP250SB	TMFP300SB
ERP Class	C	C	C	C	C	C
Standing Heat Loss (watts)	49	55	59	65	72	80
Height	1130	1300	1500	1700	1700	2050
Diameter	550	550	550	550	600	600
Bedrooms	1	1-2	2 - 3	2 - 3	3	3 - 4
Baths & Showers	1	1	2	2	2	2

Sizes shown above are indicative only, including 50mm insulation and combined F&E tank. Other sizes are available to suit the installation requirements.



## Slimline models

The MULTIfLOW+ is an indirect thermal store, with integrated F&E tank, has the flexibility to be bespoke designed to suit the installation requirements and also incorporate either an open vented boiler, sealed boiler or central plant boiler, to provide mains pressure hot water.

One of the main benefits of the MULTIfLOW+ is the flexibility of a range of slimline models, to suit restricted space availability.

The units are available in two diameters, either 450mm for 120 and 150 litre models and 500mm for 180 and 210 litre models. However, the height can be specified to suit the installation requirement (with cylinder volume adjusted accordingly).

STORAGE CAPACITY	120	150	180	210
Model No.	TMFP120OVSL	TMFP150OVSL	TMFP180OVSL	TMFP210OVSL
ERP Class	C	C	C	C
Standing Heat Loss (watts)	64	72	78	84
Height	1650	2050	1850	2100
Diameter	450	450	500	500
Bedrooms	1	1-2	2 - 3	2 - 3
Baths & Showers	1	1	2	2

STORAGE CAPACITY	120	150	180	210
Model No.	TMFP120SBSL	TMFP150SBSL	TMFP180SBSL	TMFP210SBSL
ERP Class	C	C	C	C
Standing Heat Loss (watts)	64	72	78	84
Height	1650	2050	1850	2100
Diameter	450	450	500	500
Bedrooms	1	1-2	2 - 3	2 - 3
Baths & Showers	1	1	2	2

Sizes shown above are indicative only, including 50mm insulation and combined F&E tank. Other sizes are available to suit the installation requirements.



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