

Commercial Range

Hot and cold water storage solutions
and plate heat exchanger options



McDonald
Water Storage

Commercial Range Of Hot Water Solutions

Commercial cylinders are designed for instances of continuous or high demand such as residential estates with central distribution, hotels or office blocks.

Where there is a requirement for a large amount of hot water, whilst maintaining performance, commercial solutions are the answer.

Our range of commercial cylinders are available in either copper, mild steel or stainless steel up to 100,000 litres with copper models available for urgent installation requirements.

The plate heat exchanger solutions provide the flexibility to either reduce or completely remove water storage requirements.



Commercial sizing how our team can help

When it comes to sizing a commercial hot water solution, there are many factors that have to be taken into account, including the type of application, flow rates, energy input, number of outlets ... just to highlight a few!

Our team at the head office have extensive years of experience in assisting specification teams to provide the perfect solution, whether it is manufactured from copper, mild steel or stainless steel.



Sizing a Commercial Hot Water Tank

1. Choose Installation Type:

Installation Type:

Hospital

2. Enter Appliance Quantities:

Private Hand Basin:

0

Full Demand: 0 Litres/hr

Public Hand Basin:

0

Full Demand: 0 Litres/hr

Shower:

0

Full Demand: 0 Litres/hr

Slop Sink:

0

Full Demand: 0 Litres/hr

Kitchen Sink:

0

Full Demand: 0 Litres/hr

Laboratory Sink:

0

Full Demand: 0 Litres/hr

Considering a Semi-Instantaneous Calorifier?

If you are looking to reduce your storage volume whilst still utilising a boiler checkout our Plateflow option.

PLATEFLOW

Based on the calculation on the left:

Storage Calorifier Recommendation: 0 Litres/hr

Select kW rating from drop down menu. This subtracts the hourly output of PHE from total requirement of hot water

Select kW:

Please Select kW

Storage Vessel Volume in Litres: 0 Litres

Visit Plateflow

We have extended our assistance with commercial cylinder sizing with our exclusive online sizing tool.

This will enable you to size the cylinder based on the application, whether it is a hotel, hospital, sports centre but also specify the types and number of outlets. The calculation then provides you a guide based on BS853 and the hourly water requirements.

In addition, it will also provide you the option to see how a PLATEflow unit could reduce your storage requirement.

Click here to use the online tool today.

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POWERFLOW

Commercial Copper

Direct Models

Our Direct Copper POWERflow calorifiers are manufactured using premium grade copper in accordance with BS853 ensuring high quality and peace of mind for your project.

Our readily available models are sized from 500 to 2,000 litre and are designed to suit both vented and unvented applications.

They come pre-fitted with heavy duty commercial immersion heaters from Howden Electric in either 6, 9 or 12kW as listed on the specification table.

The design shown has been tweaked over the years inline with the most commonly requested connection layout so we are confident that it will meet your project requirements. Should you require a different layout please discuss this with our sales team.

FEATURES

- Manufactured from premium grade copper
- Manufactured to BS853 specification and complies with HTM04
- 80mm thick insulation as standard to maximise heat retention
- Factory fitted, heavy-duty immersion heaters
- Full unvented kit supplied as standard

Components included as standard



Manhole and Insulation Jacket



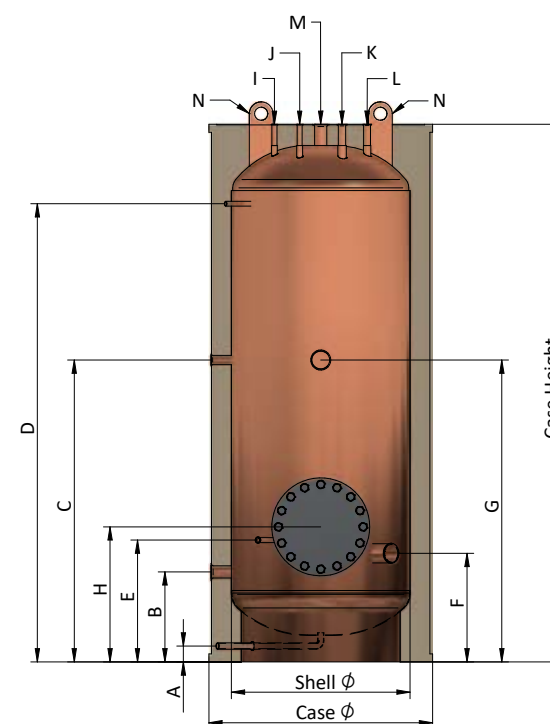
Pressure and Temperature Gauges



De-stratification Pump Fitted and Piped



Unvented Kit inc. Expansion Vessel



CONNECTIONS

- A 28mm Pipe (Drain)
- B Cold Feed
- C Secondary Return
- D 15mm Destrat Upper
- E 0.5" Temperature Gauge
- F 2.25" Immersion Heater
- G 2.25" Immersion Heater
- H Inspection Manhole
- I 0.5" Pressure Gauge
- J 0.5" Temperature Gauge
- K 1" Anti-Vacuum Valve
- L 0.75" Press. & Temp. Relief Valve
- M Hot Draw
- N Lifting Lugs

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDD-C2-500	500 Litre Direct POWERflow Commercial	2.1	2180 x 770	80	1.25	1	112	2.5 or 1.5	2 x 6/9
MCDD-C2-600	600 Litre Direct POWERflow Commercial	2.1	2030 x 845	80	1.25	1	118	3 or 2	2 x 6/9
MCDD-C2-700	700 Litre Direct POWERflow Commercial	2.1	1880 x 920	80	1.25	1	132	3.5 or 2.5	2 x 6/9
MCDD-C2-800	800 Litre Direct POWERflow Commercial	2.1	1930 x 970	80	1.5	1.25	150	4 or 2.6	2 x 6/9
MCDD-C2-1000	1000 Litre Direct POWERflow Commercial	2.1	1930 x 1070	80	1.5	1.25	188	5 or 3.5	2 x 6/9
MCDD-C2-1250	1250 Litre Direct POWERflow Commercial	2.1	2230 x 1070	80	2	1.5	232	3	2 x 12
MCDD-C2-1500	1500 Litre Direct POWERflow Commercial	2.1	2230 x 1220	80	2	1.5	311	3.5	2 x 12
MCDD-C2-2000	2000 Litre Direct POWERflow Commercial	2.1	2130 x 1370	80	2	1.5	397	5	2 x 12

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDD-C3-500	500 Litre Direct POWERflow Commercial	3	2180 x 770	80	1.25	1	130	3 or 2	2 x 6/9
MCDD-C3-600	600 Litre Direct POWERflow Commercial	3	2030 x 845	80	1.25	1	161	3.5 or 2.5	2 x 6/9
MCDD-C3-700	700 Litre Direct POWERflow Commercial	3	1880 x 920	80	1.25	1	184	4 or 2.6	2 x 6/9
MCDD-C3-800	800 Litre Direct POWERflow Commercial	3	1930 x 970	80	1.5	1.25	188	5 or 3.5	2 x 6/9
MCDD-C3-1000	1000 Litre Direct POWERflow Commercial	3	1930 x 1070	80	1.5	1.25	229	3	2 x 6/9
MCDD-C3-1250	1250 Litre Direct POWERflow Commercial	3	2230 x 1070	80	2	1.5	295	3.5	2 x 12
MCDD-C3-1500	1500 Litre Direct POWERflow Commercial	3	2230 x 1220	80	2	1.5	358	5	2 x 12



POWERFLOW

Commercial Copper

Indirect Models

Our Indirect Copper POWERflow calorifiers are manufactured using premium grade copper in accordance with BS853 ensuring high quality and peace of mind for your project.

Our readily available models are sized from 500 to 2,000 litre and are designed to suit both Vented and Unvented applications.

The indirect coils are capable of recovering the tank in 60 minutes over a 50°C temperature rise, dependent on boiler power and they come with a single backup immersion heater.

The design shown has been tweaked over the years inline with the most commonly requested connection layout so we are confident that it will meet your project requirements. Should you require a different layout please discuss this with our sales team.

FEATURES

- Manufactured from premium grade copper.
- Quick Recovery Coil
- Manufactured to BS853 specification and complies with HTM04
- 80mm thick insulation as standard to maximise heat retention
- Backup Immersion Heater
- Full unvented kit supplied as standard.

Components included as standard



Manhole and Insulation Jacket



Pressure and Temperature Gauges



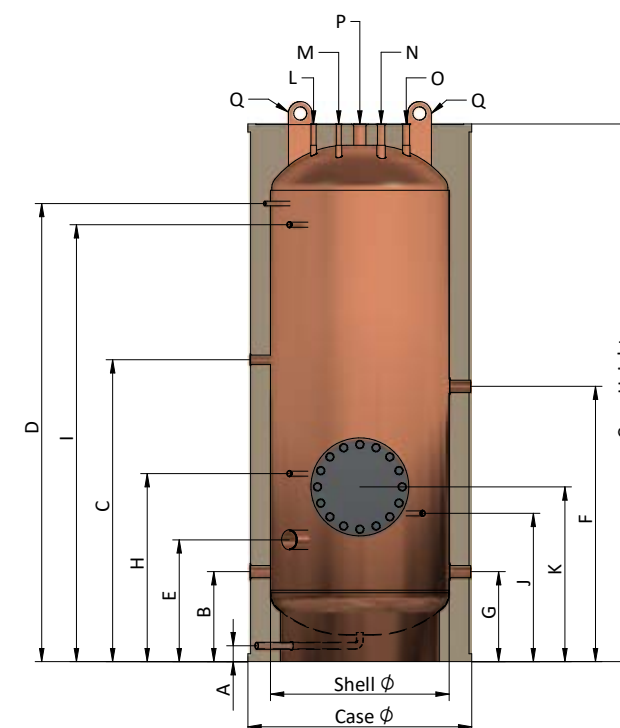
Control and High Limit Thermostats



De-stratification Pump Fitted and Piped



Unvented Kit inc. Expansion Vessel



CONNECTIONS

- A 28mm Pipe (Drain)
- B Cold Feed
- C Secondary Return
- D 15mm Destrat Upper
- E 2.25" Immersion Heater
- F Coil Flow
- G Coil Return
- H 0.5" Control Stat
- I 0.5" High Limit Stat
- J 0.5" Temperature Gauge
- K Inspection Manhole
- L 0.5" Pressure Gauge
- M 0.5" Temperature Gauge
- N 1" Anti-Vacuum Valve
- O 0.75" Press. & Temp. Relief Valve
- P Hot Draw
- Q Lifting Lugs

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Coil Conn. Size (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDI-C2-500	500 Litre Indirect POWERflow Commercial	2.1	2180 x 770	80	1.25	1	1	120	1	1 x 6/9
MCDI-C2-600	600 Litre Indirect POWERflow Commercial	2.1	2030 x 845	80	1.25	1	1	127	1	1 x 6/9
MCDI-C2-700	700 Litre Indirect POWERflow Commercial	2.1	1880 x 920	80	1.25	1	1	142	1	1 x 6/9
MCDI-C2-800	800 Litre Indirect POWERflow Commercial	2.1	1930 x 970	80	1.5	1.25	1.25	161	1	1 x 6/9
MCDI-C2-1000	1000 Litre Indirect POWERflow Commercial	2.1	1930 x 1070	80	1.5	1.25	1.25	203	1	1 x 6/9
MCDI-C2-1250	1250 Litre Indirect POWERflow Commercial	2.1	2230 x 1070	80	2	1.5	1.25	246	1	1 x 12
MCDI-C2-1500	1500 Litre Indirect POWERflow Commercial	2.1	2230 x 1220	80	2	1.5	1.5	326	1	1 x 12
MCDI-C2-2000	2000 Litre Indirect POWERflow Commercial	2.1	2130 x 1370	80	2	1.5	1.5	412	1	1 x 12

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Coil Conn. Size (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDI-C3-500	500 Litre Indirect POWERflow Commercial	3	2180 x 770	80	1.25	1	1	137	1	1 x 6/9
MCDI-C3-600	600 Litre Indirect POWERflow Commercial	3	2030 x 845	80	1.25	1	1	170	1	1 x 6/9
MCDI-C3-700	700 Litre Indirect POWERflow Commercial	3	1880 x 920	80	1.25	1	1	194	1	1 x 6/9
MCDI-C3-800	800 Litre Indirect POWERflow Commercial	3	1930 x 970	80	1.5	1.25	1.25	199	1	1 x 6/9
MCDI-C3-1000	1000 Litre Indirect POWERflow Commercial	3	1930 x 1070	80	1.5	1.25	1.25	243	1	1 x 6/9
MCDI-C3-1250	1250 Litre Indirect POWERflow Commercial	3	2230 x 1070	80	2	1.5	1.25	309	1	1 x 12
MCDI-C3-1500	1500 Litre Indirect POWERflow Commercial	3	2230 x 1220	80	2	1.5	1.5	373	1	1 x 12



STEELFLOW

Commercial Stainless Steel

Direct Models

Our Direct Stainless Steel STEELflow calorifiers are manufactured using AISI 316L Stainless Steel in accordance with PED 2014/68/UE ensuring high quality and peace of mind for your project.

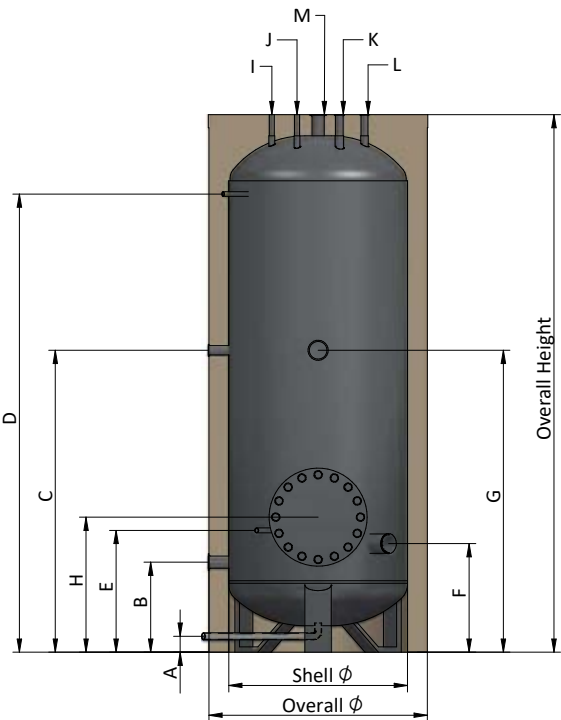
Our readily available models are sized from 500 to 2,500 litre and are designed to suit both Vented and Unvented applications.

They come pre-fitted with heavy duty commercial immersion heaters from Howden Electric in either 6, 9 or 12kW as listed on the specification table.

The design shown has been tweaked over the years in line with the most commonly requested connection layout so we are confident that it will meet your project requirements. Should you require a different layout please discuss this with our sales team.

FEATURES

- Manufactured from premium grade stainless steel
- Tanks are fully pickled and passivated
- Manufactured to Pressure Equipment Directive 2014/68/UE
- 100mm thick insulation as standard to maximise heat retention
- Factory fitted, heavy-duty immersion heaters.
- Full unvented kit supplied as standard.



CONNECTIONS

- A 28mm Pipe (Drain)
- B Cold Feed
- C Secondary Return
- D 15mm Destrat Upper
- E 0.5" Temperature Gauge
- F 2.25" Immersion Heater
- G 2.25" Immersion Heater
- H Inspection Manhole
- I 0.5" Pressure Gauge
- J 0.5" Temperature Gauge
- K 1" Anti-Vacuum Valve
- L 0.75" Press. & Temp. Relief Valve
- M Hot Draw
- N Lifting Lugs

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDD-SS-500	500 Litre Direct STEELflow Commercial	5	1645 x 750	100	1.25	1	78	2.5 or 1.5	2 x 6/9
MCDD-SS-600	600 Litre Direct STEELflow Commercial	5	1900 x 850	100	1.25	1	84	3 or 2	2 x 6/9
MCDD-SS-700	700 Litre Direct STEELflow Commercial	5	1700 x 990	100	1.25	1	110	3.5 or 2.5	2 x 6/9
MCDD-SS-800	800 Litre Direct STEELflow Commercial	5	1750 x 990	100	1.5	1.25	116	4 or 2.6	2 x 6/9
MCDD-SS-1000	1000 Litre Direct STEELflow Commercial	5	2100 x 990	100	1.5	1.25	134	5 or 3.5	2 x 6/9
MCDD-SS-1250	1250 Litre Direct STEELflow Commercial	5	2075 x 1150	100	2	1.5	152	3	2 x 12
MCDD-SS-1500	1500 Litre Direct STEELflow Commercial	5	2115 x 1200	100	2	1.5	195	3.5	2 x 12
MCDD-SS-2000	2000 Litre Direct STEELflow Commercial	5	2465 x 1300	100	2	1.5	261	5	2 x 12
MCDD-SS-2500	2500 Litre Direct STEELflow Commercial	5	2595 x 1400	100	2	1.5	307	6	2 x 12

Components included as standard



Manhole and Insulation Jacket



Pressure and Temperature Gauges



De-stratification Pump Fitted and Piped



Unvented Kit inc. Expansion Vessel



STEELFLOW

Commercial Stainless Steel

Indirect Models

Our Indirect Stainless Steel STEELflow calorifiers are manufactured using AISI 316L Stainless Steel in accordance with PED 2014/68/UE ensuring high quality and peace of mind for your project.

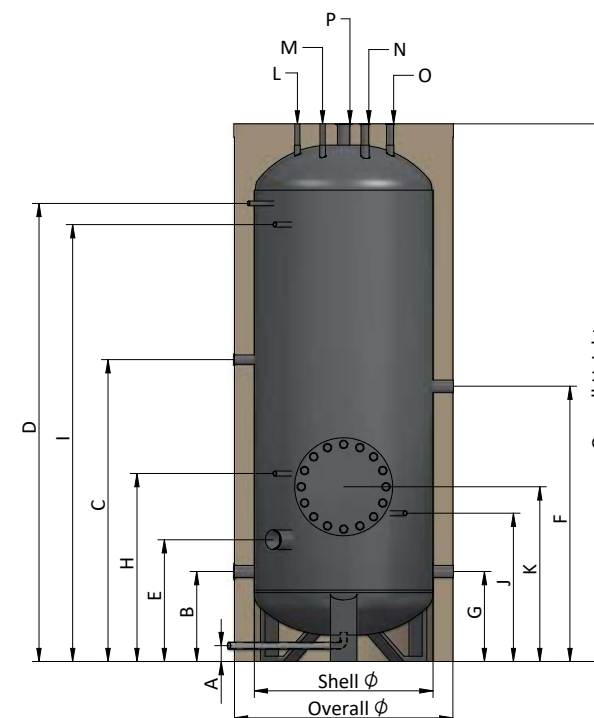
Our readily available models are sized from 500 to 2,500 litre and are designed to suit both Vented and Unvented applications.

The indirect coils are capable of recovering the tank in 60 minutes over a 50°C temperature rise, dependent on boiler power and they come with a single backup immersion heater.

The design shown has been tweaked over the years in line with the most commonly requested connection layout so we are confident that it will meet your project requirements. Should you require a different layout please discuss this with our sales team.

FEATURES

- Manufactured from premium grade stainless steel
- Tanks are fully pickled and passivated
- Quick Recovery Coil
- Manufactured to Pressure Equipment Directive 2014/68/UE
- 100mm thick insulation as standard to maximise heat retention
- Backup Immersion Heater
- Full unvented kit supplied as standard.



CONNECTIONS

- A 28mm Pipe (Drain)
- B Cold Feed
- C Secondary Return
- D 15mm Destrat Upper
- E 2.25" Immersion Heater
- F Coil Flow
- G Coil Return
- H 0.5" Control Stat
- I 0.5" High Limit Stat
- J 0.5" Temperature Gauge
- K Inspection Manhole
- L 0.5" Pressure Gauge
- M 0.5" Temperature Gauge
- N 1" Anti-Vacuum Valve
- O 0.75" Press. & Temp. Relief Valve
- P Hot Draw
- Q Lifting Lugs

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Conn. Size (inch)	Secondary Return (inch)	Coil Conn. Size (inch)	Empty Weight (kg)	Recovery Time (hours)	Immersion Heaters (kW)
MCDI-SS-500	500 Litre Indirect STEELflow Commercial	5	1645 x 750	100	1.25	1	1	91	1	1 x 6/9kW
MCDI-SS-600	600 Litre Indirect STEELflow Commercial	5	1900 x 850	100	1.25	1	1	100	1	1 x 6/9kW
MCDI-SS-700	700 Litre Indirect STEELflow Commercial	5	1700 x 990	100	1.25	1	1	128	1	1 x 6/9kW
MCDI-SS-800	800 Litre Indirect STEELflow Commercial	5	1750 x 990	100	1.5	1.25	1.25	130	1	1 x 6/9kW
MCDI-SS-1000	1000 Litre Indirect STEELflow Commercial	5	2100 x 990	100	1.5	1.25	1.25	150	1	1 x 6/9kW
MCDI-SS-1250	1250 Litre Indirect STEELflow Commercial	5	2075 x 1150	100	2	1.5	1.25	173	1	1 x 12kW
MCDI-SS-1500	1500 Litre Indirect STEELflow Commercial	5	2115 x 1200	100	2	1.5	1.5	224	1	1 x 12kW
MCDI-SS-2000	2000 Litre Indirect STEELflow Commercial	5	2465 x 1300	100	2	1.5	1.5	295	1	1 x 12kW
MCDI-SS-2500	2500 Litre Indirect STEELflow Commercial	5	2595 x 1400	100	3	2	1.5	344	1	1 x 12kW

Components included as standard



Manhole and Insulation Jacket



Pressure and Temperature Gauges



Control and High Limit Thermostats



De-stratification Pump Fitted and Piped



Unvented Kit inc. Expansion Vessel



PLATEFLOW

Commercial Copper

Plate Heat Exchanger Technology

Our range of PLATEflow Copper calorifiers are manufactured using premium grade copper in accordance with BS853 ensuring high quality and peace of mind for your project.

Designed to provide high volumes of hot water in properties where demand varies throughout the day e.g. hotels.

Our readily available models are sized from 500 to 2,000 litre and are designed to suit both Vented and Unvented applications. With a choice of 4no PHE's there are many models to choose from to guarantee required volumes of hot water.

The system comprises a DHW buffer vessel and factory fitted plate heat exchanger from Uk Exchangers, including secondary shunt pump and flow limiting valve for simple commissioning.

FEATURES

- Manufactured from premium grade copper.
- Rapid re-heat of DHW buffer vessel
- Manufactured to BS853 specification and complies with HTM04
- 80mm thick insulation as standard to maximise heat retention
- Backup Immersion Heater
- Full unvented kit supplied as standard.
- Very simple commissioning process.

Components included as standard



Manhole and Insulation Jacket



Pressure and Temperature Gauges



Control and High Limit Thermostats



Secondary shunt pump and flow limiting valve



Unvented Kit inc. Expansion Vessel

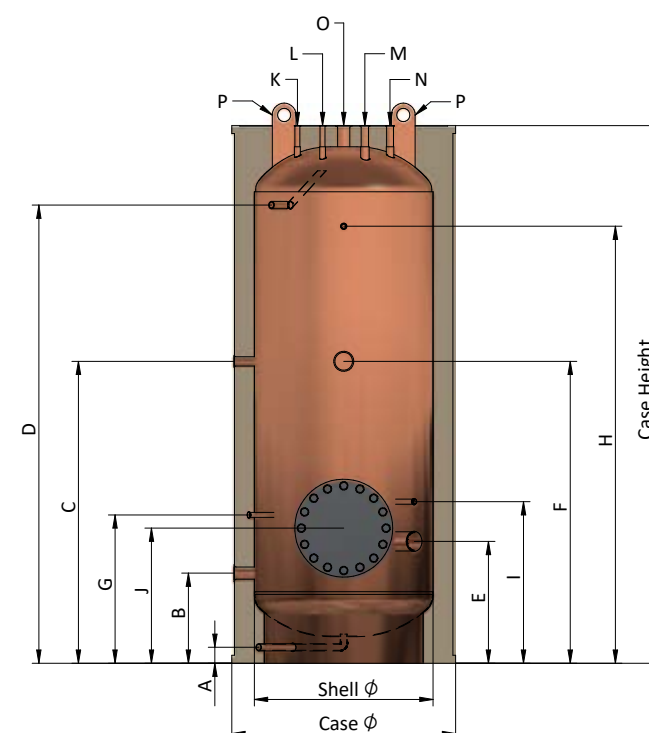
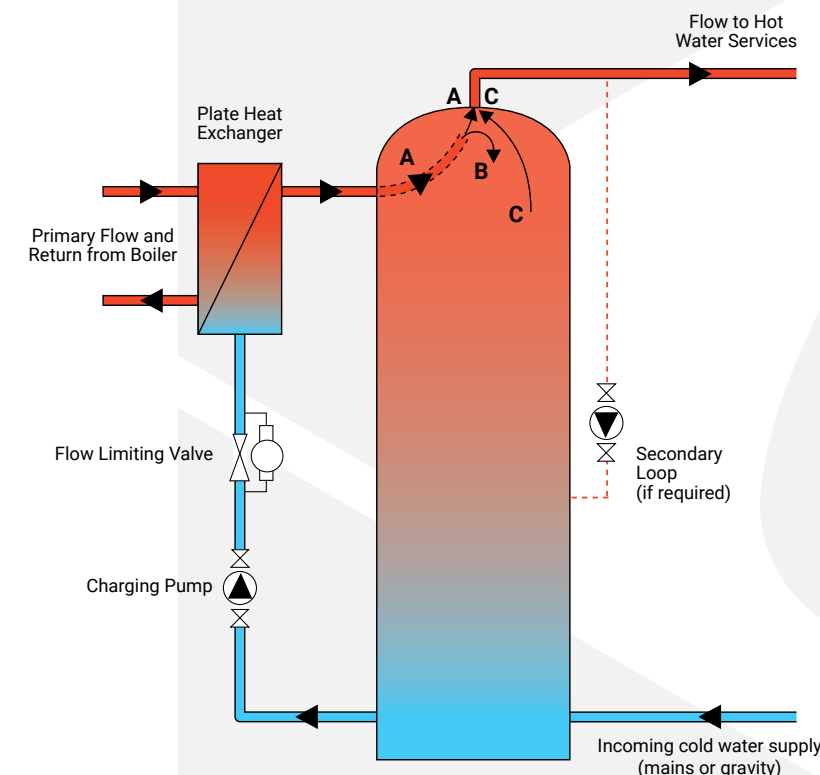
PLATEflow technology how does it actually work?

At times when less than the steady flow rate is required, all the hot water requirement is generated instantly by the PHE (A), with any excess recharging the buffer vessel (B).

Only when demand exceeds the steady flow rate of the PHE, is water from the buffer vessel used (C).

Buffer vessels are sized to cope with the demand during peak periods and vary in size as required. Once we know the flow rates required we can advise the kW input needed to achieve it.

Our team will provide full dimensional data once the system requirements are calculated.



CONNECTIONS

- A 28mm Pipe (Drain)
- B Cold Feed
- C Secondary Return
- D 28mm PHE Upper
- E 2.25" Immersion Heater
- F 2.25" Immersion Heater
- G 0.5" Control Stat
- H 0.5" High Limit Stat
- I 0.5" Temperature Gauge
- J Inspection Manhole
- K 0.5" Pressure Gauge
- L 0.5" Temperature Gauge
- M 1" Anti-Vacuum Valve
- N 0.75" Press. & Temp. Relief Valve
- O Hot Draw
- P Lifting Lugs

Indicative connection positions have been shown on the schematics.

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Connections (inch)	Secondary Return (inch)	Empty Weight (kg)	Immersion Heaters (kW)
MCDPF-C2-500-50	500 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	2180 x 770	80	1.25	1	121	1 x 6/9
MCDPF-C2-500-100	500 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	2180 x 770	80	1.25	1	123	1 x 6/9
MCDPF-C2-500-150	500 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	2180 x 770	80	1.25	1	126	1 x 6/9
MCDPF-C2-500-200	500 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	2180 x 770	80	1.25	1	131	1 x 6/9
MCDPF-C2-600-50	600 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	2030 x 845	80	1.25	1	127	1 x 6/9
MCDPF-C2-600-100	600 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	2030 x 845	80	1.25	1	129	1 x 6/9
MCDPF-C2-600-150	600 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	2030 x 845	80	1.25	1	132	1 x 6/9
MCDPF-C2-600-200	600 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	2030 x 845	80	1.25	1	137	1 x 6/9
MCDPF-C2-700-50	700 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	1880 x 920	80	1.25	1	143	1 x 6/9
MCDPF-C2-700-100	700 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	1880 x 920	80	1.25	1	143	1 x 6/9
MCDPF-C2-700-150	700 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	1880 x 920	80	1.25	1	146	1 x 6/9
MCDPF-C2-700-200	700 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	1880 x 920	80	1.25	1	151	1 x 6/9
MCDPF-C2-800-50	800 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	1930 x 970	80	1.5	1.25	159	1 x 6/9
MCDPF-C2-800-100	800 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	1930 x 970	80	1.5	1.25	161	1 x 6/9
MCDPF-C2-800-150	800 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	1930 x 970	80	1.5	1.25	164	1 x 6/9
MCDPF-C2-800-200	800 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	1930 x 970	80	1.5	1.25	169	1 x 6/9
MCDPF-C2-1000-50	1000 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	1930 x 1070	80	1.5	1.25	197	1 x 6/9
MCDPF-C2-1000-100	1000 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	1930 x 1070	80	1.5	1.25	199	1 x 6/9
MCDPF-C2-1000-150	1000 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	1930 x 1070	80	1.5	1.25	202	1 x 6/9
MCDPF-C2-1000-200	1000 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	1930 x 1070	80	1.5	1.25	207	1 x 6/9
MCDPF-C2-1250-50	1250 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	2230 x 1070	80	2	1.5	241	1 x 12
MCDPF-C2-1250-100	1250 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	2230 x 1070	80	2	1.5	243	1 x 12
MCDPF-C2-1250-150	1250 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	2230 x 1070	80	2	1.5	246	1 x 12
MCDPF-C2-1250-200	1250 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	2230 x 1070	80	2	1.5	251	1 x 12
MCDPF-C2-1500-50	1500 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	2230 x 1220	80	2	1.5	320	1 x 12
MCDPF-C2-1500-100	1500 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	2230 x 1220	80	2	1.5	322	1 x 12
MCDPF-C2-1500-150	1500 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	2230 x 1220	80	2	1.5	325	1 x 12
MCDPF-C2-1500-200	1500 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	2230 x 1220	80	2	1.5	330	1 x 12
MCDPF-C2-2000-50	2000 Litre PLATEflow Copper - 2.1 Bar - 50kW	2.1	2130 x 1370	80	2	1.5	406	1 x 12
MCDPF-C2-2000-100	2000 Litre PLATEflow Copper - 2.1 Bar - 100kW	2.1	2130 x 1370	80	2	1.5	408	1 x 12
MCDPF-C2-2000-150	2000 Litre PLATEflow Copper - 2.1 Bar - 150kW	2.1	2130 x 1370	80	2	1.5	411	1 x 12
MCDPF-C2-2000-200	2000 Litre PLATEflow Copper - 2.1 Bar - 200kW	2.1	2130 x 1370	80	2	1.5	416	1 x 12

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Connections (inch)	Secondary Return (inch)	Empty Weight (kg)	Immersion Heaters (kW)
MCDPF-C3-500-50	500 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	2180 x 770	80	1.25	1	139	1 x 6/9
MCDPF-C3-500-100	500 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	2180 x 770	80	1.25	1	141	1 x 6/9
MCDPF-C3-500-150	500 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	2180 x 770	80	1.25	1	144	1 x 6/9
MCDPF-C3-500-200	500 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	2180 x 770	80	1.25	1	149	1 x 6/9
MCDPF-C3-600-50	600 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	2030 x 845	80	1.25	1	170	1 x 6/9
MCDPF-C3-600-100	600 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	2030 x 845	80	1.25	1	172	1 x 6/9
MCDPF-C3-600-150	600 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	2030 x 845	80	1.25	1	175	1 x 6/9
MCDPF-C3-600-200	600 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	2030 x 845	80	1.25	1	180	1 x 6/9
MCDPF-C3-700-50	700 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	1880 x 920	80	1.25	1	193	1 x 6/9
MCDPF-C3-700-100	700 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	1880 x 920	80	1.25	1	195	1 x 6/9
MCDPF-C3-700-150	700 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	1880 x 920	80	1.25	1	198	1 x 6/9
MCDPF-C3-700-200	700 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	1880 x 920	80	1.25	1	203	1 x 6/9
MCDPF-C3-800-50	800 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	1930 x 970	80	1.5	1.25	197	1 x 6/9
MCDPF-C3-800-100	800 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	1930 x 970	80	1.5	1.25	199	1 x 6/9
MCDPF-C3-800-150	800 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	1930 x 970	80	1.5	1.25	202	1 x 6/9
MCDPF-C3-800-200	800 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	1930 x 970	80	1.5	1.25	207	1 x 6/9
MCDPF-C3-1000-50	1000 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	1930 x 1070	80	1.5	1.25	238	1 x 6/9
MCDPF-C3-1000-100	1000 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	1930 x 1070	80	1.5	1.25	240	1 x 6/9
MCDPF-C3-1000-150	1000 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	1930 x 1070	80	1.5	1.25	243	1 x 6/9
MCDPF-C3-1000-200	1000 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	1930 x 1070	80	1.5	1.25	248	1 x 6/9
MCDPF-C3-1250-50	1250 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	2230 x 1070	80	2	1.5	304	1 x 12
MCDPF-C3-1250-100	1250 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	2230 x 1070	80	2	1.5	306	1 x 12
MCDPF-C3-1250-150	1250 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	2230 x 1070	80	2	1.5	309	1 x 12
MCDPF-C3-1250-200	1250 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	2230 x 1070	80	2	1.5	314	1 x 12
MCDPF-C3-1500-50	1500 Litre PLATEflow Copper - 3.0 Bar - 50kW	3	2230 x 1220	80	2	1.5	367	1 x 12
MCDPF-C3-1500-100	1500 Litre PLATEflow Copper - 3.0 Bar - 100kW	3	2230 x 1220	80	2	1.5	369	1 x 12
MCDPF-C3-1500-150	1500 Litre PLATEflow Copper - 3.0 Bar - 150kW	3	2230 x 1220	80	2	1.5	372	1 x 12
MCDPF-C3-1500-200	1500 Litre PLATEflow Copper - 3.0 Bar - 200kW	3	2230 x 1220	80	2	1.5	377	1 x 12



Please refer to page 17 for connection details.

PLATEFLOW

Commercial Stainless Steel

Plate Heat Exchanger Technology

Our PLATEflow Stainless calorifiers are manufactured using AISI 316L Stainless Steel in accordance with PED 2014/68/UE ensuring high quality and peace of mind for your project.

Designed to provide high volumes of hot water in properties where demand varies throughout the day e.g. hotels.

Our readily available models are sized from 500 to 2,500 litre and are designed to suit both Vented and Unvented applications. With a choice of 4no PHE's there are many models to choose from to guarantee required volumes of hot water.

The system comprises a DHW buffer vessel and factory fitted plate heat exchanger from Uk Exchangers, including secondary shunt pump and flow limiting valve for simple commissioning.

FEATURES

- Manufactured from stainless steel
- Rapid re-heat of DHW buffer vessel
- Manufactured to PED 2014/68/UE specification and complies with HTM04
- 80mm thick insulation as standard to maximise heat retention
- Backup Immersion Heater
- Full unvented kit supplied as standard.
- Very simple commissioning process

Components included as standard



Manhole and Insulation Jacket



Pressure and Temperature Gauges



Control and High Limit Thermostats



Secondary shunt pump and flow limiting valve



Unvented Kit inc. Expansion Vessel

Item Code	Product Description	Incoming Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Cold / Hot Connections (inch)	Secondary Return (inch)	Empty Weight (kg)	Immersion Heaters (kW)
MCDPF-SS-500-50	500 Litre PLATEflow Stainless - 50kW	5	1645 x 750	100	1.25	1	87	1 x 6/9
MCDPF-SS-500-100	500 Litre PLATEflow Stainless - 100kW	5	1645 x 750	100	1.25	1	89	1 x 6/9
MCDPF-SS-500-150	500 Litre PLATEflow Stainless - 150kW	5	1645 x 750	100	1.25	1	92	1 x 6/9
MCDPF-SS-500-200	500 Litre PLATEflow Stainless - 200kW	5	1645 x 750	100	1.25	1	97	1 x 6/9
MCDPF-SS-600-50	600 Litre PLATEflow Stainless - 50kW	5	1900 x 850	100	1.25	1	93	1 x 6/9
MCDPF-SS-600-100	600 Litre PLATEflow Stainless - 100kW	5	1900 x 850	100	1.25	1	95	1 x 6/9
MCDPF-SS-600-150	600 Litre PLATEflow Stainless - 150kW	5	1900 x 850	100	1.25	1	98	1 x 6/9
MCDPF-SS-600-200	600 Litre PLATEflow Stainless - 200kW	5	1900 x 850	100	1.25	1	103	1 x 6/9
MCDPF-SS-700-50	700 Litre PLATEflow Stainless - 50kW	5	1700 x 990	100	1.25	1	119	1 x 6/9
MCDPF-SS-700-100	700 Litre PLATEflow Stainless - 100kW	5	1700 x 990	100	1.25	1	121	1 x 6/9
MCDPF-SS-700-150	700 Litre PLATEflow Stainless - 150kW	5	1700 x 990	100	1.25	1	124	1 x 6/9
MCDPF-SS-700-200	700 Litre PLATEflow Stainless - 200kW	5	1700 x 990	100	1.25	1	129	1 x 6/9
MCDPF-SS-800-50	800 Litre PLATEflow Stainless - 50kW	5	1750 x 990	100	1.5	1.25	125	1 x 6/9
MCDPF-SS-800-100	800 Litre PLATEflow Stainless - 100kW	5	1750 x 990	100	1.5	1.25	127	1 x 6/9
MCDPF-SS-800-150	800 Litre PLATEflow Stainless - 150kW	5	1750 x 990	100	1.5	1.25	130	1 x 6/9
MCDPF-SS-800-200	800 Litre PLATEflow Stainless - 200kW	5	1750 x 990	100	1.5	1.25	135	1 x 6/9
MCDPF-SS-1000-50	1000 Litre PLATEflow Stainless - 50kW	5	2100 x 990	100	1.5	1.25	143	1 x 6/9
MCDPF-SS-1000-100	1000 Litre PLATEflow Stainless - 100kW	5	2100 x 990	100	1.5	1.25	145	1 x 6/9
MCDPF-SS-1000-150	1000 Litre PLATEflow Stainless - 150kW	5	2100 x 990	100	1.5	1.25	148	1 x 6/9
MCDPF-SS-1000-200	1000 Litre PLATEflow Stainless - 200kW	5	2100 x 990	100	1.5	1.25	153	1 x 6/9
MCDPF-SS-1250-50	1250 Litre PLATEflow Stainless - 50kW	5	2075 x 1150	100	2	1.5	161	1 x 12
MCDPF-SS-1250-100	1250 Litre PLATEflow Stainless - 100kW	5	2075 x 1150	100	2	1.5	163	1 x 12
MCDPF-SS-1250-150	1250 Litre PLATEflow Stainless - 150kW	5	2075 x 1150	100	2	1.5	166	1 x 12
MCDPF-SS-1250-200	1250 Litre PLATEflow Stainless - 200kW	5	2075 x 1150	100	2	1.5	171	1 x 12
MCDPF-SS-1500-50	1500 Litre PLATEflow Stainless - 50kW	5	2115 x 1200	100	2	1.5	204	1 x 12
MCDPF-SS-1500-100	1500 Litre PLATEflow Stainless - 100kW	5	2115 x 1200	100	2	1.5	206	1 x 12
MCDPF-SS-1500-150	1500 Litre PLATEflow Stainless - 150kW	5	2115 x 1200	100	2	1.5	209	1 x 12
MCDPF-SS-1500-200	1500 Litre PLATEflow Stainless - 200kW	5	2115 x 1200	100	2	1.5	214	1 x 12
MCDPF-SS-2000-50	2000 Litre PLATEflow Stainless - 50kW	5	2465 x 1300	100	2	1.5	270	1 x 12
MCDPF-SS-2000-100	2000 Litre PLATEflow Stainless - 100kW	5	2465 x 1300	100	2	1.5	272	1 x 12
MCDPF-SS-2000-150	2000 Litre PLATEflow Stainless - 150kW	5	2465 x 1300	100	2	1.5	275	1 x 12
MCDPF-SS-2000-200	2000 Litre PLATEflow Stainless - 200kW	5	2465 x 1300	100	2	1.5	280	1 x 12
MCDPF-SS-2500-50	2500 Litre PLATEflow Stainless - 50kW	5	2595 x 1400	100	3	2	316	1 x 12
MCDPF-SS-2500-100	2500 Litre PLATEflow Stainless - 100kW	5	2595 x 1400	100	3	2	318	1 x 12
MCDPF-SS-2500-150	2500 Litre PLATEflow Stainless - 150kW	5	2595 x 1400	100	3	2	321	1 x 12
MCDPF-SS-2500-200	2500 Litre PLATEflow Stainless - 200kW	5	2595 x 1400	100	3	2	326	1 x 12



BUFFERVESSEL

Commercial Mild Steel

Hot Water Buffer Store

The mild steel hot water buffer store is designed for the storage of primary water produced from continuous and intermittent heat sources.

The hot water contained in the cylinder is only designed to be circulated in a closed heating circuit (without oxygen), in order to avoid corrosion.

The cylinders are available from 500 litres to 5,000 litres, with the option to incorporate a backup immersion heater (not supplied as standard).

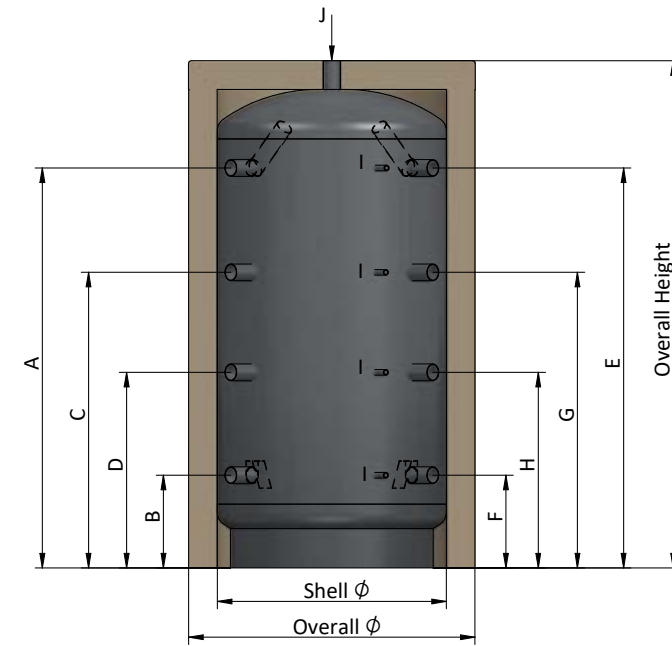
All the models shown are standard configurations, however bespoke specification is available to suit individual installation requirements. Please speak to the technical team if this is required.

BUFFER VESSEL

- Material
S 235 Jr Carbon steel
- External Protective Treatment
Anti rust protection
- Screwed or Flanged
Connections
- Rating
Max 6 bar pressure
Max 95°C temperature
- Warranty
5 years

FEATURES

- Soft insulation with polyester and PVC
Fire retardent class B2 (DIN 4102)
- Hard insulation
500 - 2000 litre models
Polyurethane foam and PVC
Fire retardent class B3 (DIN 4102)
1250 - 5000 litre models
Polyester (15mm) and
Polystyrene (85mm) and PVC
Fire retardent class B2 (DIN 4102)
- Compliance
Pressure Equipment Directive (PED)
Energy related Products (Erp) Directive



CONNECTIONS

- A Heating system flow
- B Low temperature heating system return
- C Free connection
- D 1½" Opening for immersion heater
- E Boiler flow
- F Boiler return
- G Free connection
- H Heating system return
- I ½" Thermometer - Sensor
- J Heating system flow

Please note: All 1½" connections increased to 2" on all cylinders 2500 litres and above

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Working Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Empty Weight (kg)	Connection Size (inch)
MSBV-500	500 Litre Mild Steel Buffer Vessel	6	750 x 1645	50	110	1.5
MSBV-600	600 Litre Mild Steel Buffer Vessel	6	750 x 1895	50	120	1.5
MSBV-800	800 Litre Mild Steel Buffer Vessel	6	990 x 1750	100	149	1.5
MSBV-1000	1000 Litre Mild Steel Buffer Vessel	6	990 x 2110	100	183	1.5
MSBV-1250	1250 Litre Mild Steel Buffer Vessel	6	1150 x 2075	100	215	1.5
MSBV-1500	1500 Litre Mild Steel Buffer Vessel	6	1200 x 2115	100	237	1.5
MSBV-2000	2000 Litre Mild Steel Buffer Vessel	6	1300 x 2380	100	301	1.5
MSBV-2500	2500 Litre Mild Steel Buffer Vessel	6	1400 x 2495	100	354	2
MSBV-3000	3000 Litre Mild Steel Buffer Vessel	6	1450 x 2710	100	423	2
MSBV-4000	4000 Litre Mild Steel Buffer Vessel	6	1600 x 2820	100	492	2
MSBV-5000	5000 Litre Mild Steel Buffer Vessel	6	1800 x 2850	100	572	2

Available accessories at the time of order include;



Thermostat



Thermometer



Immersion Heater



Unvented Kit inc.
Expansion Vessel



BUFFERVESSEL

Commercial Stainless Steel

Hot Water Buffer Store

The stainless steel hot water buffer store is designed for the storage of primary water produced from continuous and intermittent heat sources, with working pressures of up to 10 bar.

The hot water contained in the cylinder is only designed to be circulated in a closed heating circuit (without oxygen), in order to avoid corrosion.

The cylinders are available from 500 litres to 5,000 litres, with the option to incorporate a backup immersion heater (not supplied as standard).

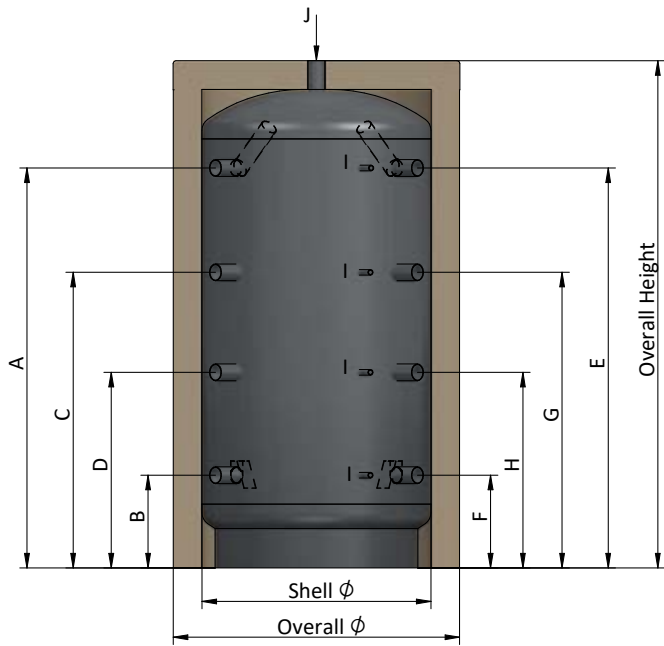
All the models shown are standard configurations, however bespoke specification is available to suit individual installation requirements. Please speak to the technical team if this is required.

BUFFER VESSEL

- Material
Stainless steel
- External Protective Treatment
Anti rust protection
- Screwed or Flanged
Connections
- Rating
Max 6 bar pressure
Max 95°C temperature
- Warranty
5 years

FEATURES

- Soft insulation
Soft polyurethane foam and
PVC jacket
Fire retardent class B2 (DIN 4102)
- Compliance
Pressure Equipment Directive (PED)



CONNECTIONS

- A Heating system flow
- B Low temperature heating system return
- C Free connection
- D 1½" Opening for immersion heater
- E Boiler flow
- F Boiler return
- G Free connection
- H Heating system return
- I ½" Thermometer - Sensor
- J Heating system flow

Please note: All 1½" connections increased to 2" on all cylinders 2500 litres and above

Indicative connection positions have been shown on the schematics.

Product Data and Codes

Item Code	Product Description	Working Pressure (bar)	Overall Dimension (mm)	Insulation Thickness (mm)	Empty Weight (kg)	Connection Size (inch)
SSBV-500	500 Litre Stainless Steel Buffer Vessel	6	750 x 1645	50	78	1.5
SSBV-600	600 Litre Stainless Steel Buffer Vessel	6	750 x 1895	50	90	1.5
SSBV-800	800 Litre Stainless Steel Buffer Vessel	6	990 x 1750	100	116	1.5
SSBV-1000	1000 Litre Stainless Steel Buffer Vessel	6	990 x 2110	100	134	1.5
SSBV-1250	1250 Litre Stainless Steel Buffer Vessel	6	1150 x 2075	100	165	1.5
SSBV-1500	1500 Litre Stainless Steel Buffer Vessel	6	1200 x 2115	100	195	1.5
SSBV-2000	2000 Litre Stainless Steel Buffer Vessel	6	1300 x 2380	100	261	1.5
SSBV-2500	2500 Litre Stainless Steel Buffer Vessel	6	1400 x 2495	100	307	2
SSBV-3000	3000 Litre Stainless Steel Buffer Vessel	6	1450 x 2710	100	335	2
SSBV-4000	4000 Litre Stainless Steel Buffer Vessel	6	1600 x 2820	100	492	2
SSBV-5000	5000 Litre Stainless Steel Buffer Vessel	6	1800 x 2850	100	576	2

Available accessories at the time of order include;



Thermostat



Thermometer



Immersion Heater



Unvented Kit inc.
Expansion Vessel



PLATEFLOW Plus

Our PLATEflow Plus provides a new level of control and ease of installation. This configuration allows the user to fully control both the Primary and Secondary flows to meet the varying hot water demands by including a packaged plate heat exchanger.

Our standard set up incorporates a primary circulating shunt pump, a 4-port control valve, temperature controller with LCD digital display, and a gasket heat exchanger, which can have more plates added/removed to suit the boiler load. The system also offers the option of complete BMS integration.

Each system is designed to instantaneously heat Domestic Hot Water (DHW) to a desired set point (standard 65°C) using Low Temperature Hot Water (LPHW) removing the need for stored hot water.

The system can also be connected to a DHW buffer vessel to provide even more hot water for high demand during peak periods.

The system is automatically controlled by an Industrial Temperature Controller and Temperature Sensor that operates a Motorised Control Valve to maintain the output temperature of the DHW according to hot water demand.

Duty kW	DHW 10 to 65 °C (l/s)
50	0.22
100	0.44
150	0.66
200	0.88
250	1.10
300	1.32
350	1.53
400	1.75
450	1.97
500	2.19
550	2.41
600	2.63
650	2.85
700	3.07
750	3.29

Duty kW	DHW 10 to 65 °C (l/s)
800	3.51
850	3.73
900	3.94
950	4.16
1000	4.38
1100	4.82
1200	5.26
1300	5.70
1400	6.14
1500	6.58
1600	7.02
1700	7.46
1800	7.88
1900	8.32
2000	8.76

FEATURES

- Plate Heat Exchanger with AISI 316 stainless steel plates
- Primary Shunt Pump (single or twin head)
- 2, 3 or 4-Port Modulating Control Valve c/w Electric Actuator
- Industrial quality Temperature Controller and Control Panel
- PT100 Temperature Sensor on DHW outlet
- LED digital display of system temperature and set point
- High Limit Safety Thermostat for pump shut down & indication with reset button
- All controls are 24v low voltage
- Integral Skid Base Mounting Plate



When cylinders are specified for NHS installations, the Health Technical Memorandum 04-01, a Department of Health document outlines the requirements for Safe Water within Healthcare Premises.

Part of this document outlines the specification of all hot water storage vessels used on NHS premises, stipulating specific requirements for NHS applications.

HTM04-01

Specification Requirements

1. Manufactured from copper to BS853-2, (BS EN 12897 Unvented) and meeting the requirements of HTM04-01.
2. All cylinders to be convex bottomed and fitted with a pre-plumbed drain connection at the lowest point.
3. Drain pipework to be connected to a three-port T-type ball valve drain point and a preplumbed destratification circuit.
4. Cylinders to incorporate a fully insulated and removeable inspection hatchway, 250mm to 450mm diameter clear opening, and PTFE gasket.
5. All cylinders to be fully insulated with either factory applied, non-removeable high density foam insulation (preferred) and outer metal casing, or where access restrictions dictate, a fully removeable clip together metal casing incorporating foil-backed rockwool insulation jacket.
6. Indirect calorifiers to incorporate finned copper primary heat exchanger coils, pressure tested to a minimum of 5 bar, rated to achieve a 30-minute recovery time from 10 to 60, with a maximum pressure drop of 20kPa.
7. Cylinders to include a minimum of two commercial grade single/three-phase immersion heaters, each incorporating a working and high limit thermostat, to raise the cylinder contents above 70 centigrade for pasteurisation and where resilience of supply is critical, (e.g. Tier 1 sites) rated to raise the cylinder contents from 10 to 60 centigrade in a maximum of 3 hours without input from the primary coil.
8. Buffer vessels heated via a packaged plate heat exchanger (PHE) to incorporate a pre-plumbed priming circuit pump and flow regulator connected to the drain connection and secondary side of the PHE and include quarter turn pump isolation valves.
9. External dimensions, capacity and orientation of the cylinder connection points to be specified to optimise installation, minimise extraneous pipe work and to ensure clearances are provided above and around each cylinder, allowing safe access to all connections and components to facilitate monitoring, maintenance, and repair activities.
10. Where unvented cylinders are used, these are to be supplied with flow-through expansion vessels, designed to be mounted vertically only with the inlet at the bottom and of a type which do not use EPDM bladders. Each vessel must also incorporate a means of flushing / purging its contents.





Cold Water Solutions

Our extended range of cold water storage tanks are manufactured from state-of-the-art GRP materials. Low maintenance, long-lasting and highly cost-effective, these tanks are a perfect option for a wide range of cold water storage applications.

These potable water tanks are available in one piece, two piece and sectional formats. Simply provide us with the available space dimensions and we can advise on the best option available.

Our cold water storage tanks are available to purchase with the additional components required for installation, providing a single point of purchase.

Suitable for all cold water applications including:

- Potable & Non Potable water storage
- Process water applications -15° to +30°C



One Piece Tanks

A comprehensive range of one piece cold water storage tanks in AG/AF and AB airgap configurations. Fully encapsulated insulation to sides and lid. Close fitting and sealed lid which is removable for maintenance.

Tanks storing over 1000 litres nominal have an access man-way with removable lid providing a 520 x 520mm opening, allowing access for maintenance and inspection.

The outer surface of the tank is coated with polyester gel coat to ensure tank suitability for external positioning in most extremes of weather as standard.

- Full WRAS approval
- Manufactured to BS EN 13280:2001
- Quality System manufactured in accordance with ISO 9001: 2000



Two Piece Tanks

A Comprehensive range of two piece cold water storage tanks AG/AF and AB airgap configurations.

Comprising an upper and lower section of equal height, incorporating an external horizontal joint flange allowing the sections to be bolted together on site. All sealant and fixings for the joint flange are supplied with the tank.

The two piece units are particularly suitable for sites with access restrictions, allowing a large tank to be carried through a doorway or similar restriction, then assembled once in position.

- Full WRAS approval
- Manufactured to BS EN 13280:2001
- Quality System manufactured in accordance with ISO 9001: 2000



Sectional Tanks

Our range of sectional cold water storage tanks are designed in a modular format, which allows a comprehensive range of tank sizes and configurations. They comprise of individual bolt-up panels which are assembled on site.

Pre-insulated including insulated base option, providing a U value of 0.8w/m°C, ensuring maximum dimensional stability.

In order to calculate the nominal capacity of the tank, simply multiply the length x width x height. There can be multiple configurations of our tanks, for example a 2 x 2 x 1m tank is not the same as a 2 x 1 x 2m tank.

- From 125 up to 2,000,000 litres
- Flexibility of on-site assembly
- Industry's largest sized man-way access
- Hot press moulded GRP panels

Our bespoke design solutions make installs easier!

We have incorporated an extensive range within our brochure, however if there isn't the specific model or configuration you are looking for, rest assured we have you covered.

Our commercial cylinder manufacturing provides maximum flexibility for cylinder and tank manufacture, allowing us to customise:

- dimensions
- insulation thickness
- range of insulation options
- connection layout to suit a specific installation requirements



It's your choice!

Simply complete a Specification Form either online or manually, and let our team of experts guide you through the best solution for your installation.

With the choice of either copper, mild steel or stainless steel ... the options are endless to ensure that perfect cylinder design.

Discover Our Complete Range Of Hot Water Storage Solutions

Open Vented and Combination Cylinders

Elson Replacement Solutions

Thermal Stores

Electric Boiler Solutions

Unvented Cylinders

Commercial Cylinders

Cold Water Storage



For full details on a product range click on the category above or go to mcdonaldwaterstorage.com



McDonald
Water Storage

Pride in our
service, quality
and tradition



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