

ELSOFLOW

ELSON REPLACEMENT HOT WATER TANKS



McDonald
Water Storage

Hot Water Storage Solutions

Our ELSOflow range was launched in 2011 to provide direct replacements for the discontinued Elson copper rectangular water heater range.

We purchased the machinery from the Elson manufacturing facility, which has enabled us to offer a replacement solution which we can confidently claim to be an exact like for like replacement for the original Elson unit.

Discover The Benefits of **ELSOFLOW** hot water tanks

- Direct replacement for existing Elson tanks, providing a simpler installation and reducing disruption to the homeowner
- Available in a range of standard sizes for like for like replacement, or bespoke designed to suit the installation requirements
- Models suitable for either floor standing, on a frame or wall hung
- Flexibility with models to incorporate a range of heat inputs including electricity, gas, oil or central plant boilers and renewable energy
- Fit and forget solution – open vented water heating
- Being copper provides complete peace of mind, killing 99% of bacteria

WHY ELSOflow Hot Water Tanks

Manufactured from premium grade copper, our ELSOflow hot water system deliver unrivalled performance thanks, in part to copper's superior thermal transfer properties.

One of our key advantages is the high performance copper coil which we incorporate into every indirect tank. This ensures greater flow rates, improves efficiency and reduces ongoing costs.

The ELSOflow hot water tank range can be heated electrically, or indirectly by a gas or oil boiler, multifuel stove or log burner, solar thermal or a combination of these sources.

The ELSOflow range provide gravity hot water, with Coral E and Coral Si providing mains pressure within the CUBEflow range.



ELSON REPLACEMENT HOT WATER TANKS

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HOT AND COLD WATER STORAGE

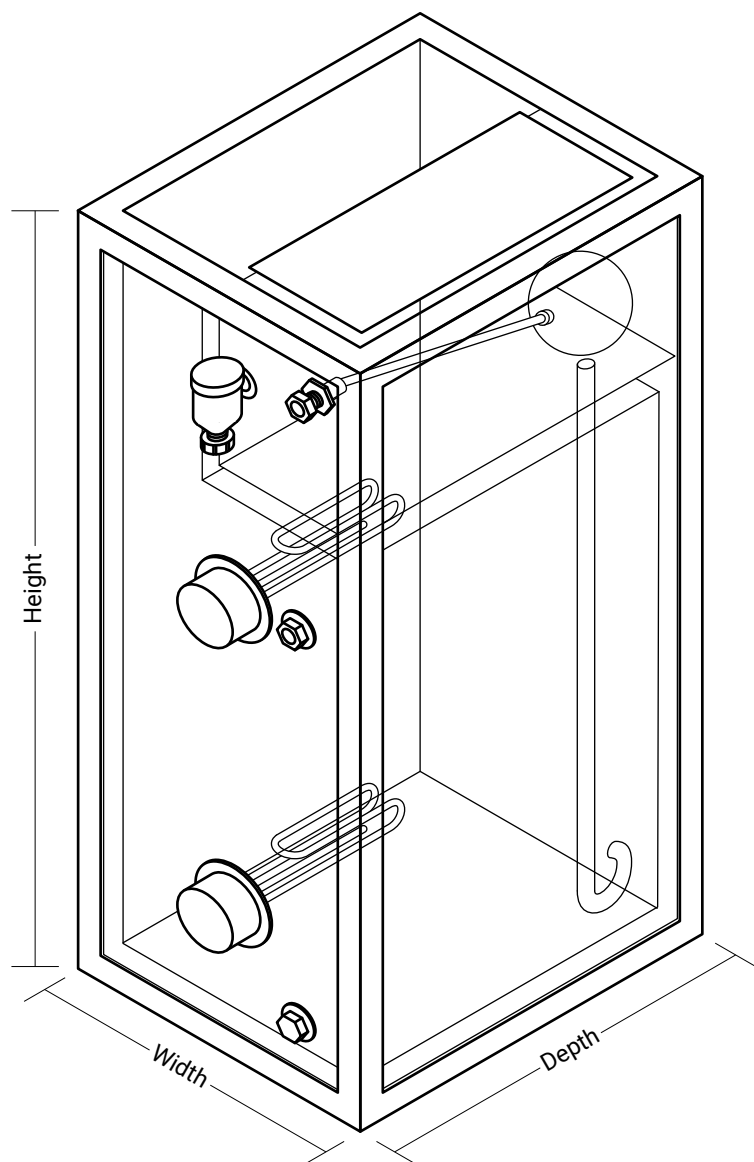
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ELSON REPLACEMENT HOT WATER TANKS



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Maxistore Electric Combination Units

The ELSOflow Maxistore is an electrically heated open vented combination hot water storage unit which provides hot water. It can be installed at a high level in cupboard or within a roof space.

Designed to maximise the benefit of off-peak or variable electric tariffs.

The ELSOflow Maxistore allows for a fast, simple installation, and can be supplied with two three-kilowatt immersion heaters to reduce installation time.

For a direct replacement, simply provide the information from the original databadge on the original Elson Maxistore product.

KEY BENEFITS

- Maximises the benefit of off-peak electricity supply
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 2 Immersion Heater Bosses

Optional Additional Components:

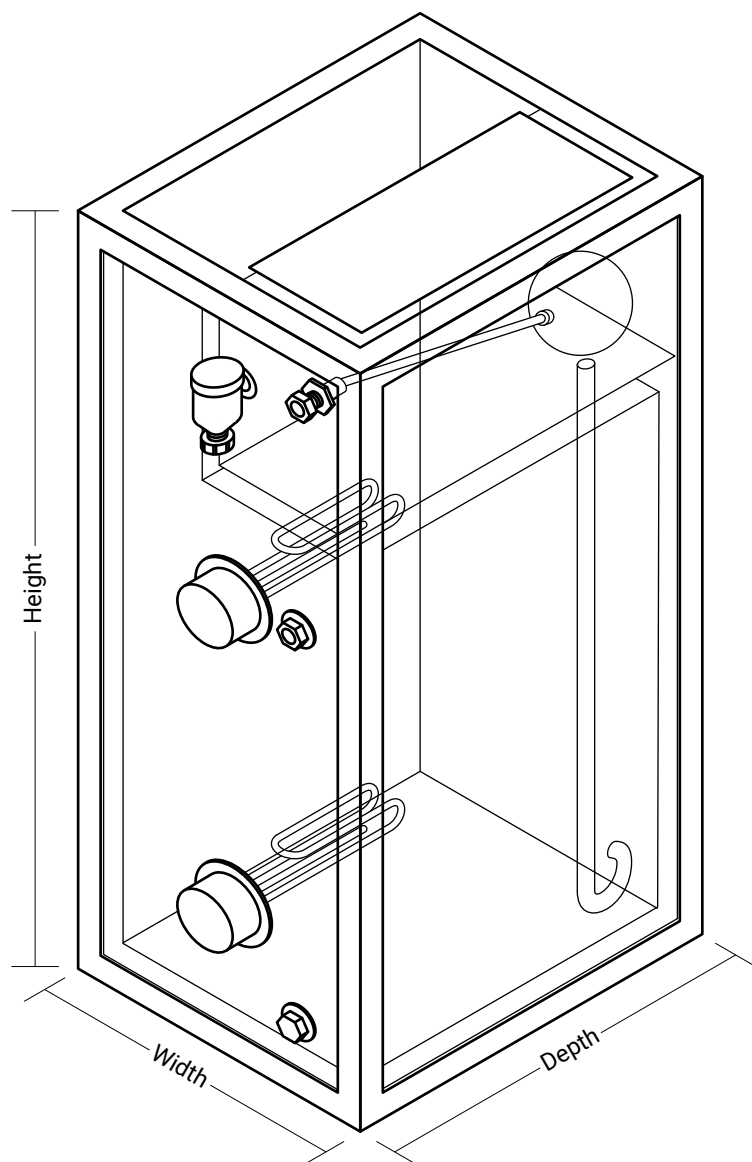
- 3kW Immersion Heaters (inc. thermostats)
- 3kW Titanium Immersion Heaters (inc. thermostats)

STORAGE CAPACITY	120	144	210
Standing Heat Loss (watts)	48	57	83
Height (mm)	1285	1285	1285
Width (mm)	410	460	555
Depth (mm)	475	475	545
Persons	1-2	1-2	2+
Baths & Showers	1 Shower	1 Bath	1 Bath

**SUITABLE FOR USE WITH
OFF PEAK ELECTRICITY**



ELSON REPLACEMENT HOT WATER TANKS



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Opal Electric Combination Units

The ELSOflow Opal is an electrically heated open vented combination hot water storage unit which provides hot water. It can be installed at a high level in cupboard or within a roof space.

Designed to maximise the benefit of off-peak or variable electric tariffs.

The ELSOflow Opal allows for a fast, simple installation, and can be supplied with two three-kilowatt immersion heaters to reduce installation time.

For a direct replacement, simply provide the information from the original databadge on the original Elson Opal product.

KEY BENEFITS

- Maximises the benefit of off-peak electricity supply
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

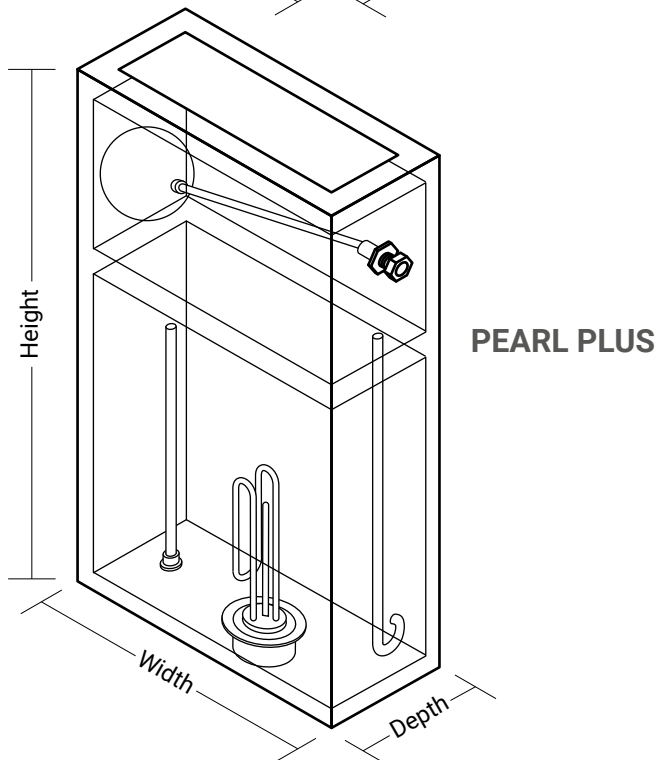
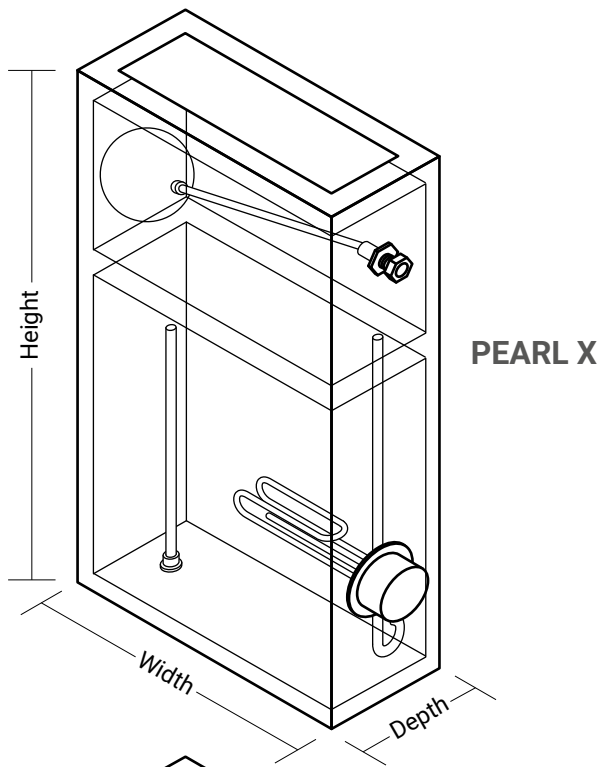
- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 2 Immersion Heater Bosses

Optional Additional Components:

- 3kW Immersion Heaters (inc. thermostats)
- 3kW Titanium Immersion Heaters (inc. thermostats)

STORAGE CAPACITY	115	135	160	180	210
Standing Heat Loss (watts)	52	59	67	75	83
Height (mm)	1065	1065	1285	1285	1285
Width (mm)	405	455	435	470	555
Depth (mm)	545	545	545	545	545
Persons	1	1-2	2-3	2-3	3-4
Baths & Showers	1 Shower	1 Bath	1 Bath	1 Bath	1 Bath

**SUITABLE FOR USE WITH
OFF PEAK ELECTRICITY**



Pearl Wall Mounted Water Heater

The ELSOflow Pearl is an open vented electrically heated, wall mounted storage unit designed for multipoint application in apartment or modular buildings.

The ELSOflow Pearl is a low cost solution for a compact water heater complete with wall-mounting brackets. It can also be supplied with a 3kW immersion.

The Pearl X variant is supplied with a side entry immersion. Pearl Plus units are fitted with a bottom entry immersion and suitable for space restricted opportunities.

The design of the Pearl means there is no requirement for discharge pipework or expansion vessels on the water supply, as required with unvented alternatives.

For a direct replacement, simply provide the information from the original databadge on the original Elson Pearl product.

KEY BENEFITS

- Maximises the benefit of off-peak electricity supply
- Suitable for use with multiple outlets
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

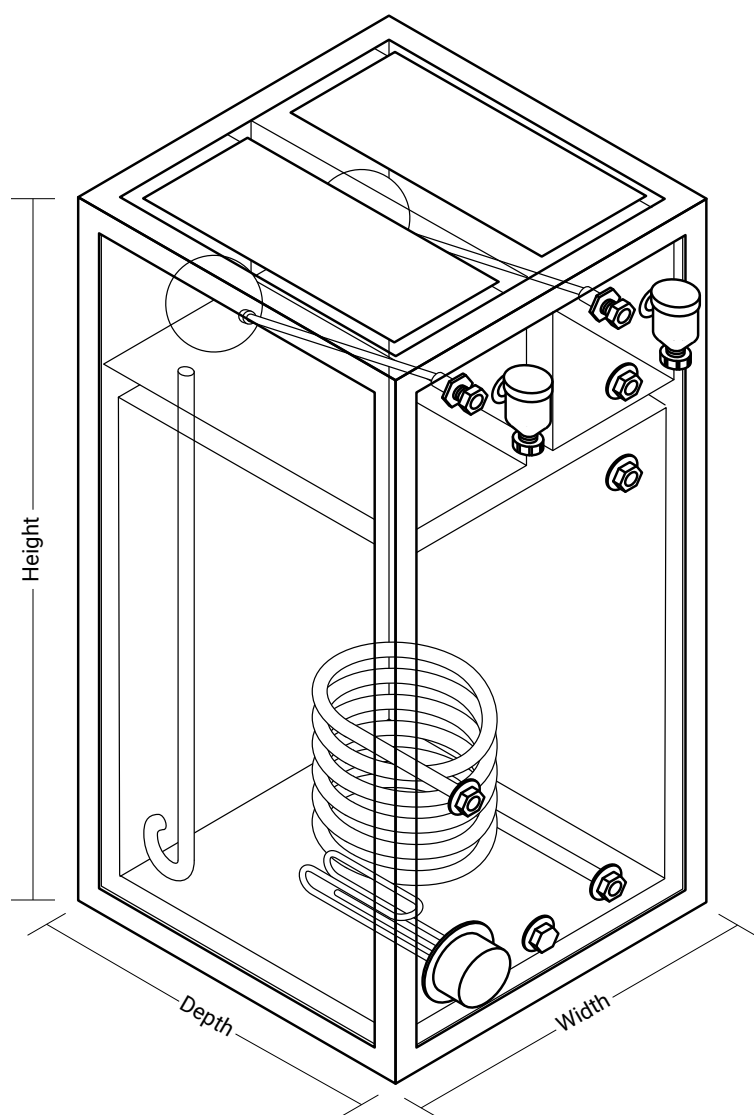
- Integral Feed Tank
- 22mm DHW Draw Off Connection
- Immersion Heater Boss

Optional Additional Components:

- 3kW Immersion Heater (inc. thermostats)
- 3kW Titanium Immersion Heater (inc. thermostats)

STORAGE CAPACITY	25	50	70	90
Standing Heat Loss (watts)	25	33	39	46
Height (mm)	795	795	880	940
Width (mm)	465	465	465	465
Depth (mm)	190	315	335	375
Washbasins	1-3	3-5	5-7	7-9

**WALL HUNG SPACE
SAVING UNIT FOR
APARTMENTS AND
MODULAR BUILDINGS**



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Emerald Indirect Hot Water

The ELSOflow Emerald is an indirectly heated open vented combination hot water storage unit which provides hot water. Suitable for open vented gravity systems (multi fuel or log burner), fully pumped gas/oil boiler primary systems and sealed systems.

The unit incorporates both a cold feed cistern and a primary feed and expansion tank, to fully separate the primary and domestic systems.

It also provides a solution to pass through most loft hatches or into most hot water tank cupboards.

The Emerald product can also be bespoke manufactured to provide a direct replacement for the Elson Diamond and Elson Sapphire ranges.

For a direct replacement, simply provide the information from the original databadge on the original Elson Emerald product.

KEY BENEFITS

- Suitable for use with gas, oil or solid fuel boiler
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 28mm Flow & Return for Boiler
- Immersion Heater Boss

Optional Additional Components:

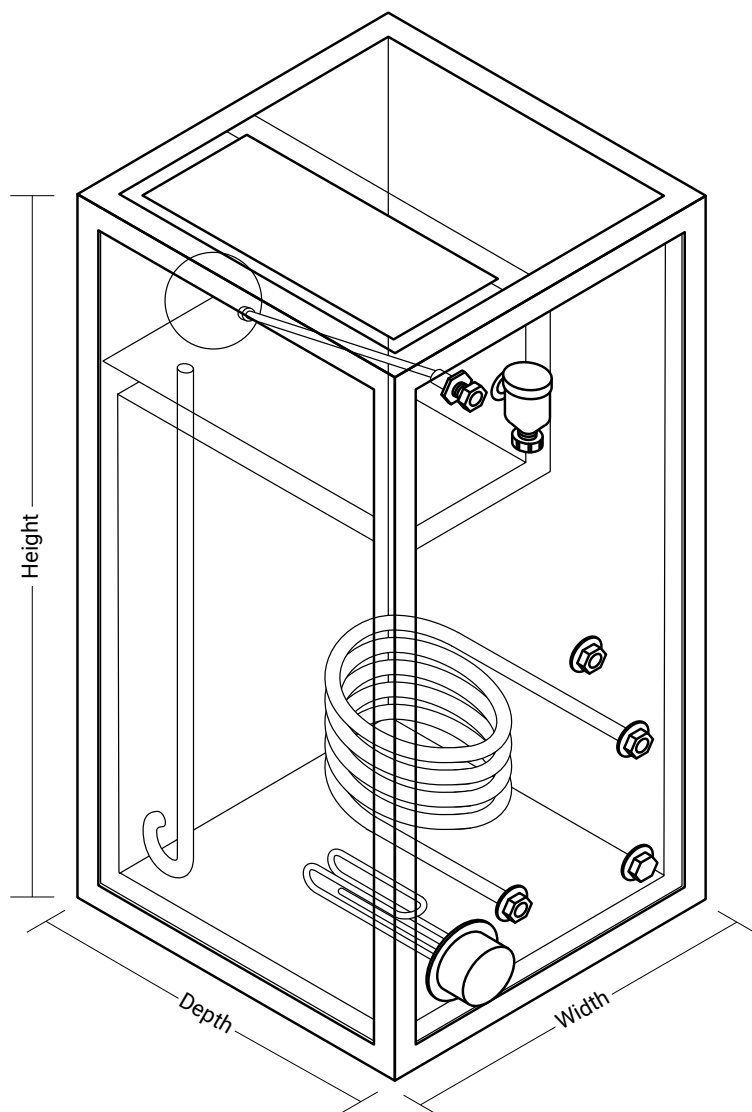
- 3kW Immersion Heater (inc. thermostat)
- 3kW Titanium Immersion Heater (inc. thermostat)

STORAGE CAPACITY	100	115	135	160	180
Standing Heat Loss (watts)	47	52	59	67	74
Height (mm)	865	865	865	1195	1285
Width (mm)	530	545	575	530	530
Depth (mm)	545	560	590	545	545
Persons (Pumped Primary)	1	1-3	3-5	5-6	6-7
Persons (Gravity Primary)	1	1-2	3-4	4-5	5-6

**THE PERFECT
REPLACEMENT FOR
ELSON DIAMOND AND
ELSON SAPPHIRE
PRODUCTS**



ELSON REPLACEMENT HOT WATER TANKS



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Amethyst Indirect Combination Unit

The ELSOflow Amethyst is widely used throughout the UK in district heating schemes and central boiler systems. It is an indirectly heated open vented combination hot water storage unit which provides hot water. It can also be installed at a high level in cupboard or within a roof space.

The ELSOflow Amethyst is suitable for use with sealed system boilers, district heating or central boiler schemes, where expansion of the primary system water is accommodated elsewhere in the system.

Heat pump units also available.

For a direct replacement, simply provide the information from the original databadge on the original Elson Amethyst product.

KEY BENEFITS

- Suitable for use with gas or oil boiler, central plant or district heating schemes
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 22mm Flow & Return for Boiler
- Immersion Heater Boss

Optional Additional Components:

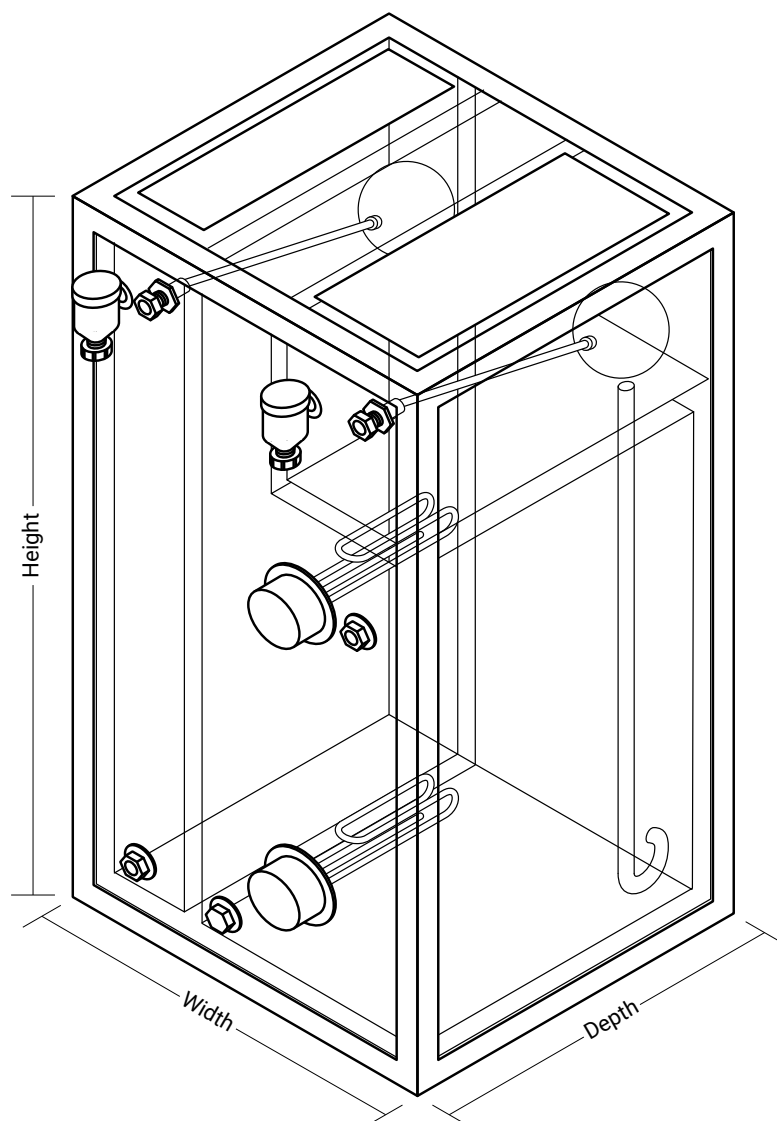
- 3kW Immersion Heater (inc. thermostats)
- 3kW Titanium Immersion Heater (inc. thermostats)

STORAGE CAPACITY	115	135	160	180
Standing Heat Loss (watts)	52	59	67	74
Height (mm)	865	865	865	865
Width (mm)	505	565	655	720
Depth (mm)	545	545	545	545
Persons	1-3	3-5	4-5	5-6
Baths & Showers	1 Bath	1 Bath	1 Bath	1 Bath

**SUITABLE FOR USE
WITH SEALED SYSTEM
BOILERS, DISTRICT
HEATING OR CENTRAL
BOILER SCHEMES**



ELSON REPLACEMENT HOT WATER TANKS



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Maxistore Twin

The ELSOflow Maxistore Twin is an electrically heated open vented combination hot water storage unit which provides hot and cold water. It can be installed at a high level in cupboard or within a roof space.

A space saving alternative to a cylinder and cold feed tank, the Maxistore Twin is designed to maximise the available cupboard space.

Designed to maximise the benefit of off-peak or variable electric tariffs.

The ELSOflow Maxistore Twin allows for a fast, simple installation, and can be supplied with two three-kilowatt immersion heaters to reduce installation time.

For a direct replacement, simply provide the information from the original databadge on the original Elson Maxistore Twin product.

KEY BENEFITS

- Maximises the benefit of off-peak electricity supply
- Combined hot and cold water storage
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

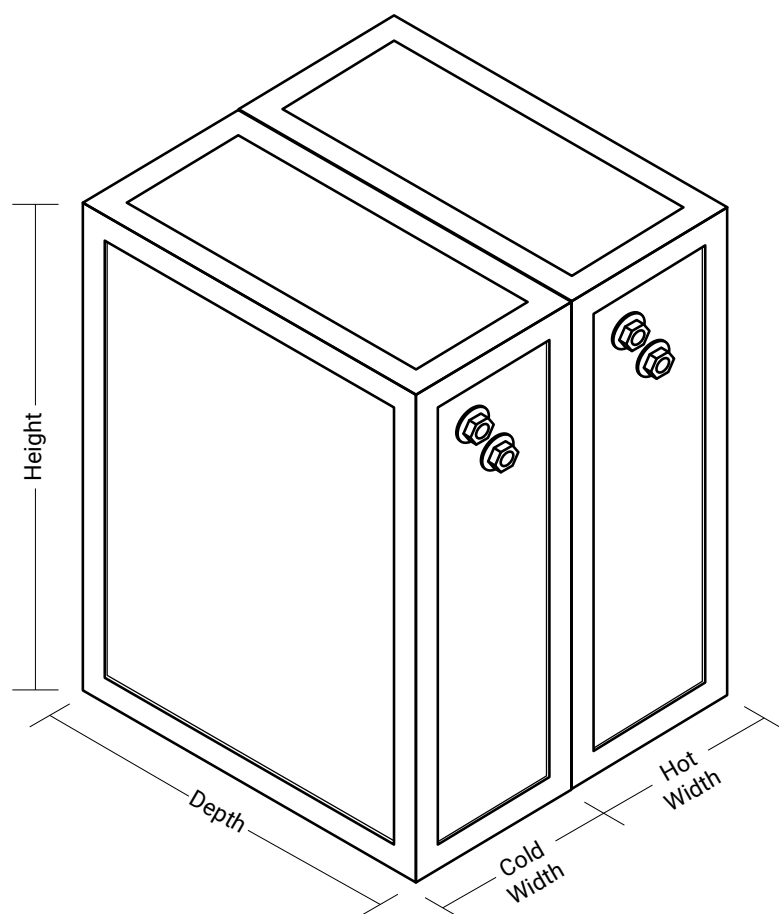
- Integral Feed Tank and Cold Water Storage
- 22mm DHW Draw Off Connection
- 2 Immersion Heater Bosses

Optional Additional Components:

- 3kW Immersion Heaters (inc. thermostats)
- 3kW Titanium Immersion Heaters (inc. thermostats)

STORAGE CAPACITY	120H / 115C	144H / 115C	210H / 115C
Standing Heat Loss (watts)	48	57	83
Height (mm)	1210	1210	1210
Width (mm)	600	600	755
Depth (mm)	535	610	610
Bedrooms	1	1	2
Baths & Showers	1 Shower	1 Bath	1 Bath

**SUITABLE FOR USE WITH
OFF PEAK ELECTRICITY**



Available with hot tank in either Amethyst, Opal or Emerald configurations

ELSOflow Amethyst Twin Storage (indirect sealed system)

HOT TANK CAPACITY	115	135	160	180	225
Hot Tank Width (mm)	355	405	460	510	605
Cold Tank Width (mm)	330	330	330	330	330
Height (mm)	840	840	840	840	840
Cold Water Capacity	115	115	115	115	115

ELSOflow Opal Twin Storage (electrically heated)

HOT TANK CAPACITY	115	135	160	180	225
Hot Tank Width (mm)	390	445	495	550	650
Cold Tank Width (mm)	330	330	330	330	330
Height (mm)	840	840	840	840	840
Cold Water Capacity	115	115	115	115	115

ELSOflow Emerald Twin Storage (pumped or gravity primary system)

HOT TANK CAPACITY	115	135	160	180	225
Hot Tank Width (mm)	390	445	495	550	650
Cold Tank Width (mm)	330	330	330	330	330
Height (mm)	840	840	840	840	840
Cold Water Capacity	115	115	115	115	115

Twin Range

The ELSOfLOW Twin range provides hot and cold water storage. They are supplied as two separate tanks utilising either Amethyst, Opal or Emerald designs for the hot water tank.

Both tanks can be installed together at a high level in cupboard or within a roof space.

For a direct replacement, simply provide the information from the original database on the original Elson Twin product.

KEY BENEFITS

- Provides both hot and cold water storage
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

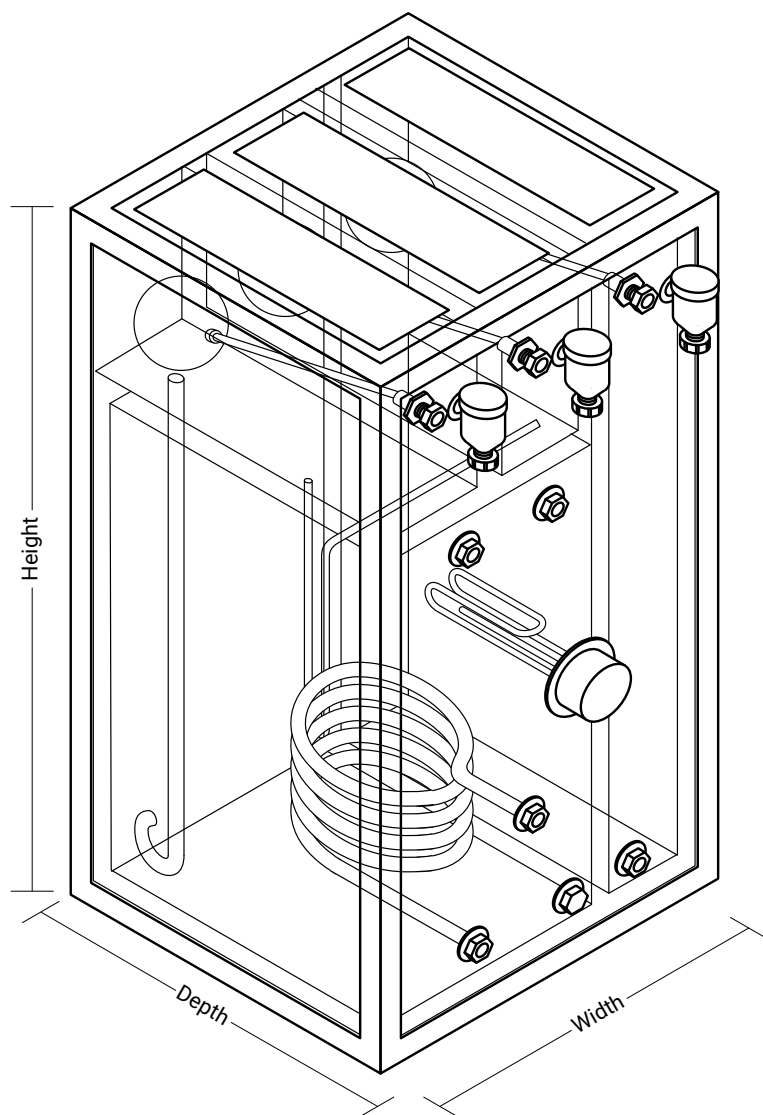
All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 22mm Flow & Return for Boiler (where applicable)
- Immersion Heater Bosses (where applicable)

Optional Additional Components:

- 3kW Immersion Heaters (inc. thermostats)
- 3kW Titanium Immersion Heaters (inc. thermostats)

DIRECT AND INDIRECT HOT AND COLD WATER STORAGE



Please Note:

When requesting a replacement unit, confirm the depth and width as schematic, as this may differ from the information shown on the original databadge.

Twin 600 Range

The ELSOflow Twin 600 open vented range provides gravity hot water, and includes 115 litres of gravity cold water. Specifically designed for use with gas, oil or solid fuel.

A space saving alternative to a cylinder and cold feed tank, the Maxistore Twin is designed to maximise the available cupboard space. It can be installed at a high level in cupboard or alternatively within a roof space.

Replacement models include 600i and 600c ranges.

For a direct replacement, simply provide the information from the original databadge on the original Elson Twin 600 product.

KEY BENEFITS

- Suitable for use with gas, oil or solid fuel boiler
- Provides both hot and cold water storage
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 22mm Flow & Return for Vented Boiler
- Immersion Heater Boss

Optional Additional Components:

- 3kW Immersion Heaters (inc. thermostats)
- 3kW Titanium Immersion Heaters (inc. thermostats)

STORAGE CAPACITY	115H / 115C	135H / 115C
Standing Heat Loss (watts)	45	54
Height (mm)	1220	1220
Width (mm)	560	620
Depth (mm)	510	510
Persons (Pumped Primary)	1-3	3-5
Persons (Gravity Primary)	1-2	3-4

**INDIRECTLY HEATED
HOT AND COLD WATER
STORAGE**

Coral E and Coral Si

The Coral E and Coral Si models are thermal store mains pressure systems and can be either floor standing or sited on a frame.

The hot water for taps, comes directly from the mains and passes through a specially designed heat exchanger, which draws heat from the surrounding thermal store of water. This water then passes through a thermostatic mixing valve, which blends it to the correct temperature for the taps.

In addition to standard sizes, bespoke design options are also available. With no discharge pipework requirement, the unit can be installed anywhere in the home.

For further information on the Coral E and Coral Si models, please refer to our CUBEflow Thermal Store brochure.

The **Coral E** is a floor standing Thermal Store Mains Pressure System. The store itself is Vented and heated by immersion heaters to high temperature.

Suitable for use with off peak electricity tariffs. Solid Fuel connections and/or a Solar coil, can also be added.

The **Coral Si** is a floor standing Thermal Store Mains Pressure System. The store itself is Vented and is heated indirectly by a coil linked to either a sealed system boiler, or a district central boiler plant.

A back-up Immersion can also be fitted, as well as additional connections for Solid Fuel and/or a Solar coil.

KEY BENEFITS

- Maximises the benefit of off-peak electricity supply
- Suitable for use with open vented boiler
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 28mm Flow & Return for Boiler
- 3kW LWD Immersion Heaters (inc. thermostats) Fitted

KEY BENEFITS

- Suitable for use with sealed system boiler or district central boiler
- No discharge pipework or annual maintenance
- No G3 certification required for installation
- In addition to the standard specification shown in table below, bespoke specification also available

All Units to Following Specification:

- Integral Feed Tank
- 22mm DHW Draw Off Connection
- 28mm Flow & Return for Boiler
- 3kW LWD Immersion Heater (inc. thermostat) Fitted

**FOR CORAL E OR
CORAL SI REPLACEMENT
PRODUCTS, PLEASE
REFER TO OUR
CUBEFLOW BROCHURE**



QUEENSWAY INDUSTRIAL ESTATE | GLENROTHES | FIFE | KY7 5QF
T: 01592 611123 | F: 01592 611166 | E: sales@mcdonaldwaterstorage.com

www.mcdonaldwaterstorage.com

