



Technical Submission

Project	Sunlight House, Manchester	Project Ref.	1394
Tech Sub Ref.	TS-M- 0004	Issued By	Lee Holland
Date	22/07/2024	Authorised	David Wilson

Technical Submission	Water Heaters Rev 1	
SPECIFICATION COMPLIANCE		
DEROGATIONS	✓	Hyco proposed than the Zip specified
CALCULATIONS PROVIDED		

Please refer to the following data for the water heaters to be provided on the above project.

AS per attached schedule Zen boiling is

SPA3L model

Please confirm Zen drain colour

Information Required From	Myco
Latest Date Required	05/08/2024

Acceptance/Refusal	
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STATUS A	STATUS B	STATUS C
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Response From	
Response Date	

ELECTRIC WATER HEATER SCHEDULE											
Project:	Sunlight House - Manchester										
Project No:	CSD1298										
Revision:	Rev 0										
Schedule No:	1298-CSD-ZZ-ZZ-SH-M-53005										
Date:	11.07.2024										
REF	QUANTITY	LOCATION	SERVING	DESCRIPTION	FLOW RATE (litres/min)	CAPACITY (litres)	POWER INPUT	MOUNTING	DIMENSIONS	WEIGHT	COMMENTS
WH1	1	Reception Toilet	1 basin	10 litre unvented electric water heater. As Hyco Speedflow Stainless SF10SS or equivalent.	3.7 litres/min (inlet temperature 10°C)	10	2.0kW	behind boxing	330w x 291d x 330 high	7 kg (empty) 17 kg (full)	
WH2	11	FOH toilets	7 basins	50 litre unvented electric water heater. As Heatrae Sadia Multipoint Eco 50 H 3kW or equivalent.	3.7 litres/min per basin (inlet temperature 10°C)	50	3.0kW	Above ceiling voids	997w x 357d x 371 high	21 kg (empty) 71 kg (full)	
WH3	11	Cleaners	1 sink	30 litre unvented electric water heater. As Hyco Powerflow Smart PF30S or equivalent.	8 litres/min (inlet temperature 10°C)	30	3.0kW	Above sink	380w x 396d x 542 high	14 kg (empty) 44 kg (full)	
WH4	20	BOH toilets	2 basins	15 litre unvented electric water heater. As Hyco Speedflow Stainless SF15SS or equivalent.	3.7 litres/min per basin (inlet temperature 10°C)	15	2.0kW	Above ceiling voids	366w x 327d x 366 high	8 kg (empty) 23 kg (full)	
WH5	10	Tea Points	1 sink	15 litre unvented electric water heater. As Hyco Speedflow Stainless SF15SS or equivalent.	5 litres/min (inlet temperature 10°C)	15	2.0kW	Within kitchen unit	366w x 327d x 366 high	8 kg (empty) 23 kg (full)	
	9	Tea Points	Boiling and Chilled Water	Zen Font with Drain	N/A	N/A	1.6kW or 2.84kW	Under counter			
NOTES:											
1. All cold water inlets are from a boosted system c/w PRV's on each floor - therefore no pressure reducing valves are required											
2. All heaters to have pressure/temperature relief kit c/w/expansion vessel.											



DATA SHEET

Multipoint Eco

ELECTRIC UNVENTED STORAGE

The new range of Multipoint Eco unvented storage are the perfect solution for light commercial installations such as canteens, washrooms and commercial kitchens. Larger models can also be used for showering.

Completely remodelled and boasting a newly designed digital display for ease of use and utilising the latest technology, Multipoint Eco incorporates smart function controllability which recognises and self manages high and low demand periods to maximise energy savings - even when installed in applications utilising off peak tariffs.

Fitted with Heatrae Sadia's Legionella Control System, Multipoint Eco is at the forefront of safety too, guarding users against harmful bacteria.

The Multipoint Eco has a 15 year inner cylinder warranty and a full 2 year warranty on all other components, complete with on site service, offering total peace of mind. It is made in the UK from high quality Duplex stainless steel.



3 kW	30-100 litre	Horizontal and vertical	22 mm
OUTPUT	VARIANTS	ORIENTATION	CONNECTIONS

FEATURES

Smart Thermostatic Control
Legionella Control System
Intuitive digital controls
Full 15 year inner cylinder warranty and 2 years on all other components, complete with on site service
Factory fitted T&P
Universal bracket
Made from high quality Duplex stainless steel

BENEFITS

Improved energy efficiency
Safe, ideal for high legionella risk installs
Easy control and temperature reading at point of use
Peace of mind after install
Complete peace of mind
Easy to install, less remedial work
Very strong and lightweight

Multipoint Eco

ELECTRIC UNVENTED STORAGE

TECHNICAL SPECIFICATION

Product Code	7693971	7693979	7693980	7693981	7693982	7693983
Model	30 H 3kW	30 V 3kW	50 H 3kW	50 V 3kW	80 H 3kW	80 V 3kW
Weight (kg)	14	14	21	21	26	26
Capacity (litres)	30	30	50	50	80	80
Rating (kW)	3	3	3	3	3	3
Rating (V)	230	230	230	230	230	230
Heat Up Time (mins)	29	37	51	65	74	115
Recovery Time (mins)	21	26	36	46	52	81
Mixed Water at 40°C V40 (litres)	51	51	80	80	98	132
Max Inlet Pressure to PRV (bar)	16	16	16	16	16	16
Max Operating Pressure (bar)	10	10	10	10	10	10
Operating Pressure of PRV (bar)	3.5	3.5	3.5	3.5	3.5	3.5
Tested Pressure (bar)	12	12	12	12	16	16
Connection Type	Compression	Compression	Compression	Compression	Compression	Compression
Connection Size (mm)	22	22	22	22	22	22
Connection Location	Left Hand Side	Bottom	Left Hand Side	Bottom	Left Hand Side	Bottom
ErP Rating	A	A	B	B	B	B
Heat Loss (kWh/24h)	0.68	0.48	0.90	0.69	1.13	0.82
Insulation Thickness (mm)	25	25	25	25	35	35
Insulation Material (Envirofoam)	565RF	565RF	565RF	565RF	565RF	565RF
IPX Rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Inner Container Material (Stainless Steel)	Duplex 2101	Duplex 2101	Duplex 2101	Duplex 2101	Duplex 2101	Duplex 2101

DIMENSIONS

Model	30 H 3kW	30 V 3kW	50 H 3kW	50 V 3kW	80 H 3kW	80 V 3kW
A Height (mm)	371	722	371	1007	454	1066
B Width (mm)	712	371	997	371	1038	454
C Depth (mm)	357	357	357	357	456	456

COMPONENTS

The following components are supplied as standard with Multipoint Eco.

Immersion

Factory fitted immersion heater and thermal controls.

Long-life superloy 800 alloy sheathed element(s).

Cold water

Cold water inlet control kit comprising of 0.35MPa (3.5 bar) pressure reducing valve
0.6MPa (6 bar) pressure relief valve (BS EN 1567, BS EN1491, EN 13959), nuts and olives,
non-return valve and expansion vessel 8 litre (30 - 50L), 12 litre (80 - 100L)

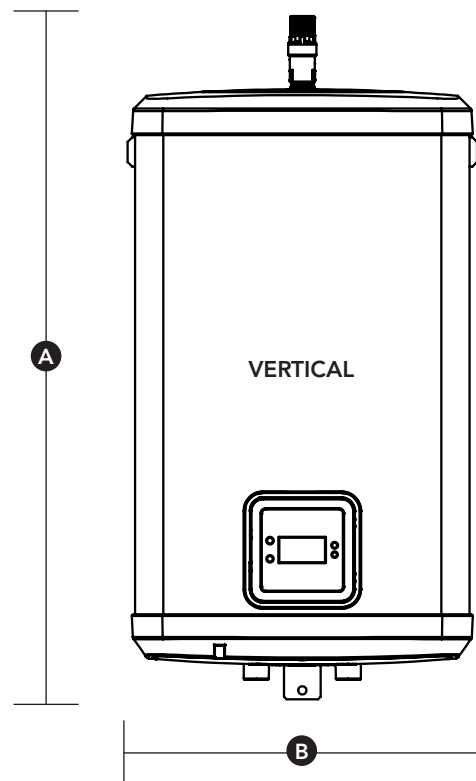
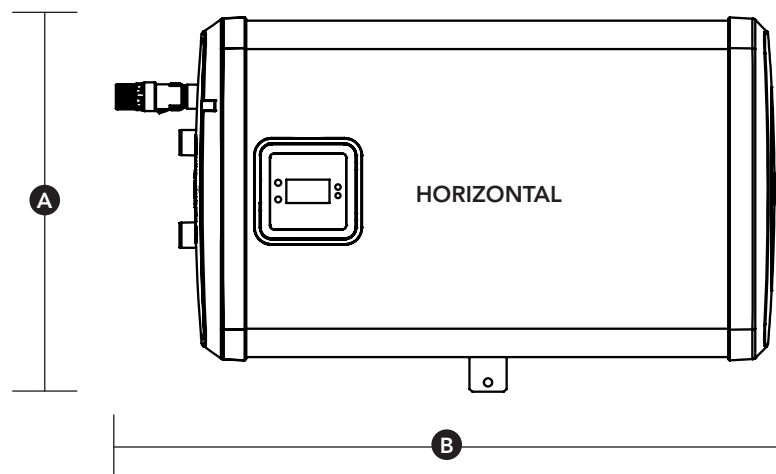
Safety

Factory fitted temperature and pressure relief valve set at
90°C / 1 Mpa (10 bar) (BS EN 1490) inc. T&P valve insulation kit
15/22mm Tundish

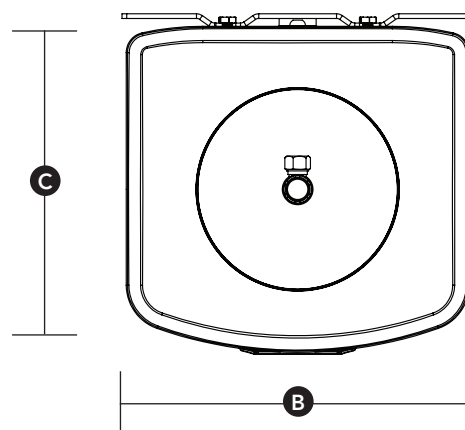
7694024	7694025
100 H 3kW	100 V 3kW
30	30
100	100
3	3
230	230
98	125
69	88
140	162
16	16
10	10
3.5	3.5
16	16
Compression	Compression
22	22
Left Hand Side	Bottom
B	B
1.17	0.93
35	35
565RF	565RF
IPX4	IPX4
Duplex 2101	Duplex 2101

100 H 3kW	100 V 3kW
454	1234
1207	454
456	456

FRONT VIEW



TOP VIEW





DATA SHEET

Multipoint Eco

ELECTRIC UNVENTED STORAGE

CODES OF PRACTICE/LEGISLATION

EU Directives:

- Energy Labelling of Water Heaters Directive 2010/30/EU
- Eco Design for Water Heaters Directive 2009/125/EU
- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility (EMC) Directive 2014/30/EU

Legislation:

- Building Regulations Part G and Part L (England and Wales)
- Scottish Building Standards Section 4 and Section 6
- Building Regulations (Northern Ireland) Parts F1 and F2 and Part P
- Water Supply (Water Fittings) Regulations (England and Wales)
- The Water Byelaws 2004 (Scotland)
- Water Supply (Water Fittings) Regulations (Northern Ireland)

Standards:

- Relevant clauses of the following standards are complied with:
- EN 60379 Specification for measuring the performance of electric storage water heater
 - EN 60335-2-21 Safety Particular requirements for storage water heaters

The steel materials used comply with the relevant clauses of:

- BS EN 10088-2 : Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes.
- BS EN 1449-2 : Specification for stainless and heat-resisting steel plate, sheet and strip
- BS EN 10130 : Cold rolled low carbon steel flat products for cold forming. Technical delivery conditions

Components supplied comply with the following standards:

- BS EN 60730-1 Automatic Electrical Controls – For households and similar use part 1: General Requirements
- BS EN 60730-8 Automatic Electrical Controls – Particular requirements for Electrically Operated Water Valves

The use of these water heaters will aid in compliance with:

- Health and safety Executive Approved Code of Practice L8: The control of legionella bacteria in water systems
- BS EN 806 Parts 1 to 5: Specification for installations inside buildings conveying water for human consumption
- BS 8558 Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings
- Chartered Institute of Building Services Engineers Guide B and Guide F

Manufactured in a factory approved to:

- BS EN ISO 9001
- OHSAS 18001
- ISO 14001



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DATA SHEET

Multipoint

ELECTRIC UNVENTED STORAGE

The new range of Multipoint Eco unvented storage units are the perfect solution for light commercial installations such as canteens, washrooms and commercial kitchens.

The Multipoint Eco is fitted with new energy saving features such as smart thermostatic control and vacation modes. Fitted with Heatrae Sadia's Legionella Control System, the Multipoint Eco also guards users against harmful bacteria.

The product also comes with a newly designed digital display for ease of use by the consumer.

For peace of mind the Multipoint Eco comes with a full 2 year warranty with on site service support and a 15 year inner cylinder warranty.

3
kW

OUTPUT

30-
100
litre

VARIANTS

Horizontal
and
vertical

ORIENTATION

22
mm

CONNECTIONS



FEATURES

- Smart Thermostatic Control
- Legionella Control System
- Intuitive digital controls
- Universal bracket
- Full 2 year warranty with on site service support
- Factory fitted T&P

BENEFITS

- Improved energy efficiency
- Safe, ideal for high legionella risk installs
- Easy control at point of use
- Easy to install, less remedial work
- Peace of mind after install
- Added safety control upon installation

Multipoint

ELECTRIC UNVENTED STORAGE

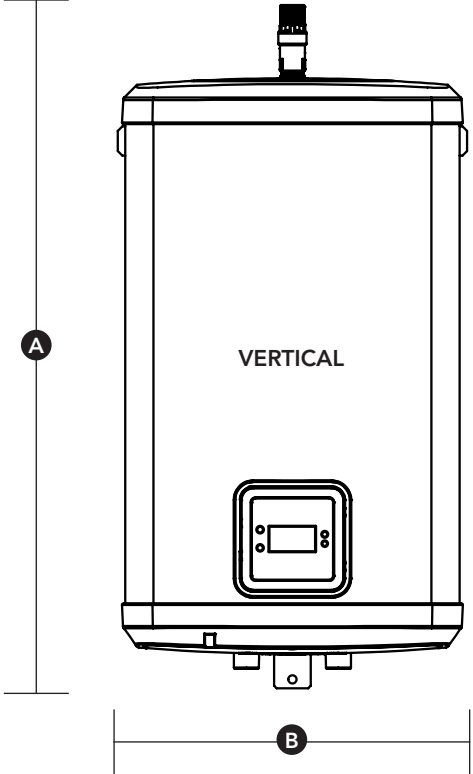
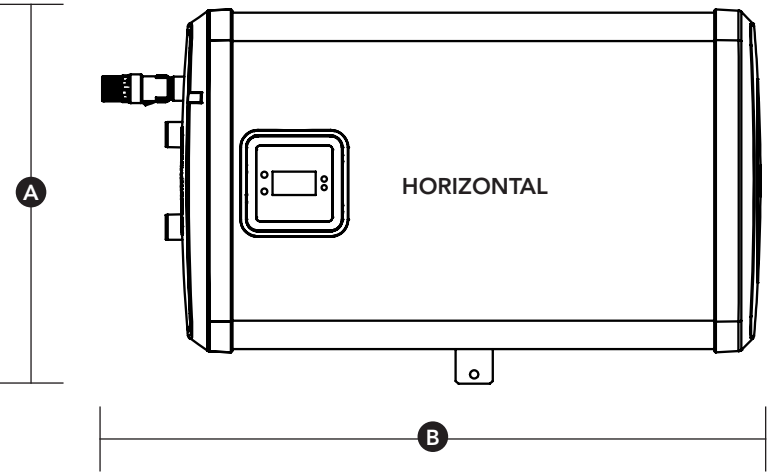
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Model	30 H 3kW	30 V 3kW	50 H 3kW	50 V 3kW	80 H 3kW	80 V 3kW	100 H 3kW	100 V 3kW
Weight (kg)	14.2	14.2	21.2	21.2	26.2	26.2	30.2	30.2
Capacity (litres)	30	30	50	50	80	80	100	100
Rating (kW)	3	3	3	3	3	3	3	3
Rating (V)	230	230	230	230	230	230	230	230
Heat Up Time (mins)	29	37	51	65	74	115	98	125
Recovery Time (mins)	21	26	36	46	52	81	69	88
Continuous Performance (50°C ΔT) (litres)	51	51	51	51	51	51	51	51
First Hour (50°C ΔT) (litres)	81	81	101	101	131	131	151	151
Max Inlet Pressure to PRV (bar)	16	16	16	16	16	16	16	16
Max Operating Pressure (bar)	10	10	10	10	10	10	10	10
Tested Pressure (bar)	12	12	12	12	16	16	16	16
Connection Type	Compression	Compression	Compression	Compression	Compression	Compression	Compression	Compression
Connection Size (mm)	22	22	22	22	22	22	22	22
Connection Location	Left Hand Side	Bottom	Left Hand Side	Bottom	Left Hand Side	Bottom	Left Hand Side	Bottom
ErP Rating	TBC	TBC	TBC	TBC	TBC	TBC	TBC	TBC
Heat Loss (kWh/24h)	0.68	0.48	0.90	0.69	1.13	0.82	1.17	0.93
Insulation Thickness (mm)	25	25	25	25	35	35	35	35
Insulation Material (Envirofoam)	565RF	565RF	565RF	565RF	565RF	565RF	565RF	565RF
IPX Rating	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4	IPX4
Immersion Heater Material (Incoloy)	800	800	800	800	800	800	800	800

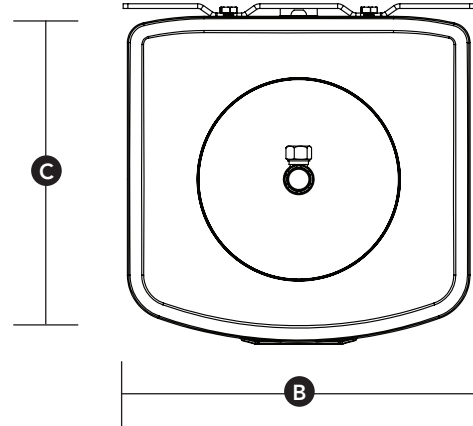
DIMENSIONS

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C Depth (mm)	355	355	350	350	454	454	454	454

FRONT VIEW



TOP VIEW





DATA SHEET

Multipoint

ELECTRIC UNVENTED STORAGE

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EU Directives:

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- Low Voltage Directive (LVD) 2014/30/EU
- Electromagnetic Compatibility (EMC) Directive 2014/35/EU

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Standards:

Relevant clauses of the following standards are complied with:

- EN 60379 Specification for measuring the performance of electric storage water heater
- EN 60335-2-21 Safety Particular requirements for storage water heaters

The copper materials used comply with the relevant clauses of:

- EN 1653 Technical delivery conditions for sheet/plate copper and copper alloys. Plate, sheet and circles for boilers, pressure vessels and hot water storage units
- EN 50440:2016 Efficiency of Domestic Electric Storage Water Heaters and Training Methods

Components supplied comply with the following standards:

- BS EN 60730-1 Automatic Electrical Controls – For households and similar use part 1: General Requirements
- BS EN 60730-8 Automatic Electrical Controls – Particular requirements for Electrically Operated Water Valves

The use of these water heaters will aid in compliance with:

- Health and safety Executive Approved Code of Practice L8: The control of legionella bacteria in water systems
- BS EN 806 Parts 1 to 5: Specification for installations inside buildings conveying water for human consumption
- BS 8558 Guide to the design, installation, testing and maintenance of services supplying water for domestic use within buildings
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Powerflow Smart

30L

A

Unvented Multipoint
Smart Technology Water Heater
30, 50, 80 and 100 litre

50L, 80L & 100L

B



Wall mounted, connections at base

Usage

Suitable for hand washing and dish washing where a number of hot water outlets are required such as kitchens, schools, restaurants, washrooms, healthcare environments and offices. The ideal solution for light industrial, commercial and light domestic hot water requirements.

Selection Guide (approximate depending on usage)

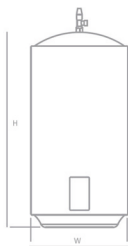
3 – 5 basins: **PF30S**, 4 – 6 basins: **PF50S**, 5 – 8 basins: **PF80S**,
7 – 11 basins or 1 bed/1 shower: **PF100S**

Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Smart technology gives high energy efficiency
- Three modes of operation, standard & eco
- Eco mode at 50°C
- Erp ratings A 30L, B 50, 80, 100L
- Can be used with regular taps, including mixers
- 3.0 kW element for fast heat up
- 1.0 kW element available for restricted load applications
- Digital control panel
- Neon element on indicator
- Glass lined tank
- Patented technology ensures incoming cold water does not immediately mix with stored hot water in the tank making more hot water available
- External electronic temperature control
- Comes complete with unvented accessory kit
- Optional thermostatic mixing valve available (see page 50)
- Wall mounted, connections to the base
- If floor mounting is required consider Superflow (see page 48)
- Cable pre-wired (1.5m)

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
PF30S PF30S1KW	30	3.0 1.0	25 74	0.31
PF50S PF50S1KW	50	3.0 1.0	41 123	0.78
PF80S PF80S1KW	80	3.0 1.0	65 196	1.14
PF100S PF100S1KW	100	3.0 1.0	82 245	1.44

*Minimum theoretical heat up time for 70% tank capacity from 10°C to 60°C



Outer Casing
White powder coated steel

Heating Element
Stainless steel incoloy

Thermostat
Electronic 30 - 70°C

Water Tank
Glass lined steel

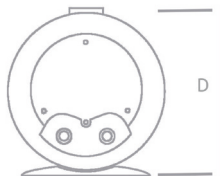
Anode
Replaceable grey magnesium anode (inspect at least annually or more regularly in scale/ aggressive water conditions)

Insulation
High density polyurethane foam (CFC free)

Safety
Overheat temperature protection (manual reset).
Factory fitted temperature and pressure relief valve (set at 7 bar 90°C).
Pressure reducing valve (set at 3 bar).
Pressure relief valve at 6 bar.
Use with a thermostatic mixing valve to maintain hot water supplied to user at constant, safe temperature.

IP Rating
IPX4

Installation
Must be wall mounted vertically with inlet/ outlet connections at base. Allow at least 500mm below and 200mm above the heater to



facilitate future maintenance. Access to the thermal cut-out and element is located at base of unit.

Unvented Accessory Kit
Supplied kit must be fitted. Contains expansion vessel with fixing bracket (5L for **PF30S & PF50S**, 8L for **PF80S & PF100S**)**, inlet group, flexible hose and 2 tundishes.

Plumbing
Must be installed by a suitably qualified person.
Minimum water pressure 1 bar.
Maximum water pressure to pressure reducing valve 12 bar.
Working water pressure 3 bar.

Water Connection
Inlet/outlet connection 1/2" BSP male. (100mm apart centre to centre) Fittings required (not supplied): 2 x 15mm compression to 1/2" BSP female adapter.

Electrical Connection
Installation must comply with current IET wiring regulations. The product should be connected to the fixed wiring of the property via a suitably rated isolating switch with a contact separation of at least 3mm in all poles.

Approvals
CE, UKCA, KIWA, Building Regulations

Standard Warranty
1 year parts or replacement warranty on electrical components.
3 year tank warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
PF30S	542	380	396	14	44
PF50S	762	380	396	18	68
PF80S	987	410	423	24	104
PF100S	1139	410	423	28	128

** Expansion vessel dimensions, 5L H 275mm x D 170mm, 8L H 305mm x D 220mm (excluding threads)

Speedflow Stainless

Unvented Water Heater
10 and 15 litre
Stainless steel tank



p.42

Usage

Ideal for use in cloakrooms and kitchens in offices, shops, student accommodation and domestic premises which have been extended and there is no central hot water system nearby. One unit located under the kitchen sink is often used to supply hot water for light dish washing in the kitchen sink and hand washing in the cloakroom basin.

Selection Guide (approximate depending on usage).
1 – 2 basins: **SF10SS**, 2 – 3 basins: **SF15SS**

Features and Benefits

- Supplies hot water for up to 3 basins
- Can be used with regular taps including mixers
- Mains pressure flow rates
- 2.0 kW element as standard
- 1.2 kW element available for restricted load applications
- Neon element on indicator
- Low profile design to fit efficiently under sink
- Access to thermal cut-out to the front of unit for easy maintenance
- Stainless steel tank
- External temperature control with frost protection setting
- Accessories may be needed to comply with the Water Regulations. Pressure reducing valve required for pressures above 4.2 bar and expansion vessel and check valve required if cold water draw off nearby. Kits available separately (see page 44).
- Optional thermostatic mixing valve available (see page 50)
- Not suitable for hair wash basins in hairdressing salons

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
SF10SS SF1012SS	10	2.0 1.2	12 20	0.63
SF15SS SF1512SS	15	2.0 1.2	18 31	0.71

*Minimum theoretical heat up time for 70% tank capacity from 10°C to 60°C

Zen Font with Drain

Use to Create a Separate Drinks Station
Black or white glass



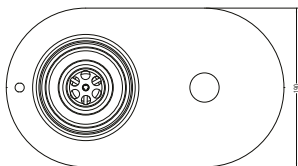
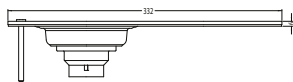
Usage

The Zen Font provides a stylish, sleek solution for installing a Zen Solo and Zen Spa tap where access to a sink is unavailable or not desired.

Features and Benefits

- Stunning tempered glass design
- High quality chrome grille and stainless steel font bowl
- Surround comes in two contemporary glass finishes, black or white
- Font with integrated drain allows easy disposal of waste water
- Access to a drain is required
- Easy to clean
- Low maintenance
- Suitable for use with Zen Solo, Zen Spa, Ice Solo, Ice Spa and Crystal Pure taps
- Not suitable for use with a Zen Life or Sigma tap which need to be mounted over a sink

Product Code	Colour	Drain
ZENFB	Black	Yes
ZENFW	White	Yes



Font
Tempered glass

Font Bowl
Stainless steel

Grille
Electro polished stainless steel -
diameter 125mm

Installation
Required hole diameter
for mounting tap 32mm
Sink/ counter top up
to 50mm thick.

Required hole diameter for
mounting the bowl 127mm.

The distance from the centre of the
tap hole to the centre of the font
bowl is 142mm.

Plumbing
Standard sink trap size,
34mm waste pipe.

Standard Warranty
2 years parts or replacement
warranty.

Product Code	Height (mm)*	Length (mm)	Width (mm)	Weight (kg)
ZENFB	66	332	190	0.1
ZENFW	66	332	190	0.1

* Height includes the drain, excluding the drain, the height is 28mm.

Zen Spa 100°C

2 in 1 Boiling and Chilled Tap
3 and 6 litre boiling water tank



Usage

The Zen Spa is a 2 in 1 hot and cold drinks station.

In the office it replaces the traditional need for a wall mounted boiling water unit and separate floor standing chiller.

In the home it replaces the need for a kettle and provides high quality cold drinking water.

The Zen Spa can be installed over a sink or with a stylish, tempered glass design Zen Font.

Features and Benefits

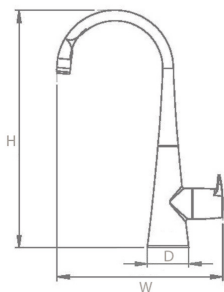
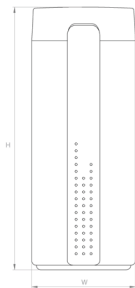
- All of the features and benefits of the Zen Solo plus cold (ambient) or chilled drinking water from a single tap
- Suitable for commercial or domestic applications
- Energy efficient - standing loss only 17 W for 3L boiling tank and 20 W for 6L model
- High flow rate over 3 l/m and high initial capacity makes it quick and easy to use.
- Modular solution allows you to tailor the tap to your individual requirements
- Cold (ambient) drinking water models connect directly to the incoming water supply
- Chilled drinking water models include a Sapphire undersink chiller (page 26)
- Dispensed water temperature can be adjusted down to 98°C on installation if required
- Power rating 1.60 kW for 3L and 2.84 kW for 6L model
- Must be fitted with initial scale filter (F5SST) supplied for inlet to boiling tank and cold drinking water filter (see specification on page 32)
- Recovery Rate 90 cups/ 60 mugs per hour for 3L model and 160 cups/ 107 mugs per hour for 6L model based on 167 ml cup and 250 ml mug.

Zen Spa Options

Product Code	Description
SPA3L	Zen Spa 100°C Tap 3L Boiling and Ambient
SPA6L	Zen Spa 100°C Tap 6L Boiling and Ambient
SPA3LUC1	Zen Spa 100°C Tap 3L Boiling and 20 l/h Chilled
SPA6LUC1	Zen Spa 100°C Tap 6L Boiling and 20 l/h Chilled

Product Code	Capacity (litres)	Heat Up Time (mins)	Standing Loss (kWh/day)*
SPA3L	3	12	0.42 17 W
SPA6L	6	14	0.50 20 W

* Standing loss figures are for the boiling tank only.



** Sapphire Undersink Chiller specifications see page 26

Boiling Specification

Outer Casing

Tap-polished chrome finish as standard
Other tap finishes available at additional cost (page 13)
Tank-durable high impact PC/ ABS

Water Tank

High quality grade 316L stainless steel

Heating Element

Incoloy

Thermostat

Electronic to control water up to boiling point

Insulation

Highly efficient aerogel thermal insulation

Initial Draw off

3L model - 18 cups/ 12 mugs
6L model - 36 cups/ 24 mugs
based on 167 ml cup/ 250 ml mug.

Safety

Overheat temperature protection (manual re-set).

Safety lock mechanism.

Supplied expansion vessel and pressure relief valve must be fitted.

IP Rating

IPX1

Installation

This appliance must be installed in a frost free environment.
Required hole diameter for mounting tap 32mm – fits in a standard sink.
Sink/counter top up to 50mm thick.

Plumbing

Must be installed by a suitably qualified person.

Intended for connection to the mains water supply.

Minimum water pressure 1 bar.
Maximum water pressure 4.2 bar.
If higher than this a pressure reducing valve is required.

Supplied filter, expansion vessel and pressure relief valve must be fitted.

Electrical Connection

Installation must comply with current IET wiring regulations.

Supplied with a pre-wired (1m) BS plug.

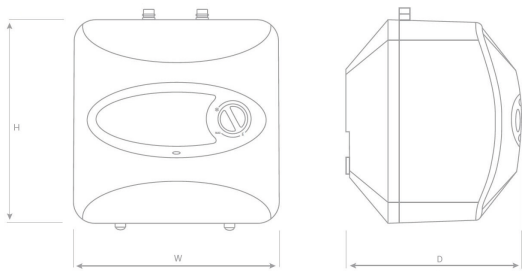
Approvals

CE, UKCA, WRAS (98°C setting only)

Standard Warranty

2 years parts or replacement warranty. Supplied scale filter must be fitted and changed at least every 6 months otherwise the warranty may be void.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
ZEN Spa Tap	320	224	56	1.6	–
ZEN Tank 3L	460	182	221	5.8	8.8
ZEN Tank 6L	460	220	270	6.7	12.7



Outer Casing
Easy clean, high impact plastic

Heating Element
Stainless steel incoloy

Thermostat
Bulb type adj. to 75°C
E setting approx. 50°C

Water Tank
Stainless steel

Anode
Replaceable grey magnesium anode
(inspect at least annually or more regularly in scale/ aggressive water conditions)

Insulation
High density polyurethane foam

Safety
Overheat temperature protection (manual reset).
Supplied pressure relief valve must be fitted in every case (set at 6 bar).
Frost protection if power on.
Optional thermostatic mixing valve to maintain hot water supplied to user at constant, safe temperature.

IP Rating
IPX4

Installation
Site above or below the sink, but inlet and outlet must be at the top.
Floor standing or wall mounted.

Plumbing
Must be installed by a suitably qualified person.

It is recommended that a service valve is fitted nearby to facilitate future maintenance.
Access to thermal cut-out to the front of unit

Minimum water pressure 0.5 bar.
Maximum water pressure 4.2 bar.

Water Connection
Inlet/ Outlet 2 x 1/2" BSP male (100mm apart centre to centre).
Fittings required (not supplied):
2 x 15mm compression to 1/2" BSP female adapter.

Electrical Connection
Installation must comply with current IET wiring regulations.

The product should be connected to the fixed wiring of the property via a suitably rated isolating switch with a contact separation of at least 3mm in all poles.
Cable pre-wired (1.5m).

Approvals
CE, UKCA, WRAS

Standard Warranty
3 year tank parts or replacement warranty.
1 year parts or replacement warranty on electrical components.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
SF10SS SF1012SS	330	330	291	7	17
SF15SS SF1512SS	366	366	327	8	23