



Product Catalogue

Version 22.1

Boiling and Chilled Water
Water Heating
Hand Dryers
Space Heating



Introduction

Hyco has been established for over 30 years and is a leading supplier in the UK electric water heating market as well as specialising in hand dryers and space heating. We are a manufacturer and distributor to many of the UK's leading electrical wholesalers and plumbers merchants.

Quality and Innovation

The Zen Boiling and Chilled Tap range is one of only a few boiling water taps on the market which delivers 100°C true boiling water and is one of the most energy efficient boiling water taps available. It has been designed and assembled in the UK and includes a new 6 litre tank model for the commercial specification market.

New additions to Hyco's product portfolio include the Vega Automatic Infrared Tap range which are no touch to meet enhanced hygiene requirements and the new Superflow floor mounted range of water heaters extending our unvented range up to 140 litres.

Specification

Hyco has a specification team working nationally with architects, mechanical and electrical consulting engineers and contractors to ensure the correct product is selected right from the project design stage.

Customer Service

Hyco is committed to customer satisfaction and our sales and technical teams are always on hand to offer advice and support on any issue from installation to arranging delivery of urgent orders direct to site to arrive at the start of the next working day.

Technical Support

Hyco provides comprehensive pre and post sales technical support to end users, installers, architects and distributors. Our technical sales team will help ensure that customers get the right product every time.

Stock Availability

We have high stock availability and offer fast free delivery on most orders.

Contents

Boiling and Chilled Water

Zen Range Overview	8 - 12
Zen Tap Finishes	13
Zen Solo 100°C Boiling Water Tap	14
Zen Spa 100°C 2 in 1 Boiling and Chilled Tap	16
Zen Font with Drain	18
Zen Life 100°C 3 in 1 Boiling Tap with Hot and Cold Mixer	20
Zen Crossover Valve	22
Sigma 3 in 1 Boiling Tap with Hot and Cold Mixer	24
Sapphire Undersink Chiller	26
Zen Ice Cold Drinking Water Taps	28
Crystal Pure Cold Drinking Water Tap	30
Drinking Water Filters	32
Omega Wall Mounted Boiling Water Heater	34
Microboil Wall Mounted Boiling Water Heater	36

Water Heating

Speedflow Unvented 5 – 15 Litre Glass Lined Tank	40
Speedflow Unvented 10 - 15 Litre Stainless Steel Tank	42
Speedflow Accessories	44
Powerflow Smart Unvented 30 - 100 Litre	46
Superflow Unvented 90 and 140 Litre	48
Thermostatic Mixing Valve	50
Ara Instantaneous 3.0 kW	52
Rho Instantaneous 4.4 and 6.0 kW	54
Aquila Instantaneous 9.6 kW	56
Instantaneous Temperature Performance Charts	58
Vega Automatic Infrared Taps	60
Wave Instantaneous Handwash Manual and Automatic	62
Handyflow Oversink Vented 5 litre	64
Handyflow Undersink Vented 5 litre	66

Hand Dryers

Blade 1.85 kW Automatic High Speed	70
Ellipse 1.55 kW Automatic High Speed	72
Curve 0.9 kW Automatic High Speed	74
Prism 0.9 kW Automatic High Speed	76
Arc 1.25 kW Automatic High Speed	78
Contour 1.5 kW Automatic Traditional	80
Cyclone 1.6 kW Automatic Traditional	82
Hurricane 1.8 kW Automatic Traditional	84
Tornado 2.5 kW Automatic Traditional	86

Hair Dryers

Topaz Digital 1.5 kW	88
Opal Holster Style 1.4 kW	90

Space Heating

Avignon Electric Radiator	94
Ariano Panel Heater Black Glass Front	96
Accona Panel Heater	98
Aquilo LST Curved Ladder Style Towel Rail	100
Aquilo Curved Ladder Style Towel Rail	102
Aquilo Straight Ladder Style Towel Rail	104
Alize S Shape Towel Rail	106
Maestro Air Curtain	108
Alto Occasional Use Drying Room Circulator	110
Scirocco Convector Heater	112
Fiji Fan Heater	114
Riviera Oil Filled Radiator	116
Sahara Tubular Heaters	118
Sahara Tubular Heater Guards	120
Mojave Frost Protector 500 W	122
Inca Frost Protector 200 W	124
Vicenza No Glare Infrared Radiant Heater	126
Sun Prince Halogen Infrared Radiant Heater	128
Quartz Infrared Controller	130
Sun King Outdoor Halogen	132

Boiling and Chilled Water

Zen Range Overview

Boiling and Chilled Tap Range

The Zen Boiling and Chilled tap range delivers elegant practical solutions for your commercial or domestic kitchen, providing tailored combinations of 100°C boiling water for tea and coffee making, high quality cold drinking water and kitchen hot and cold mixer tap capabilities.

Counter Mounted Zen Tap Range

p.8



Undersink Boiling Water Tank



3 L Boiling Tank



6 L Boiling Tank

Key Features of the Range

Enjoy some of the many distinctive features which optimise both efficiency and user experience.



100°C Boiling Water



Cool Touch Tap



Safety Lock



360° Swivel Tap



LED Status Ring



Made in the UK

100°C True Boiling Water

The Zen tap range is one of only a few boiling water taps on the market which delivers instant 100°C true boiling water. Boiling water taps are causing a revolution in the kitchen. No more waiting for the kettle to boil, instant 100°C water for a wide range of kitchen uses.

Pressurised system allows water to be dispensed at 100°C.

The dispensed water temperature can be adjusted down to 98°C on installation if required.

Standing Losses 17 W

One of the most energy efficient boiling water taps available. Innovative aerogel insulation around the boiling water tank keeps energy losses to a minimum. The Zen 100°C Tap Range with 3 litre boiling water tank has standing losses of 17 W (0.41 kWh/day) and 20 W (0.50 kWh/day) for the 6 litre model.

Smart, Energy Saving Technology

No need for a programmable timer as smart technology optimises power usage. Sophisticated electronic algorithms learn and predict boiling water usage so the unit is on when you need it and off when you don't.

This improves energy efficiency. No time is wasted programming or reprogramming a timer as algorithms are constantly updating if your usage pattern changes.

Status Ring

A status ring on the base of the tap indicates ready or heating (green/ red LED). It also indicates when the unit is in sleep mode.

Stainless Steel Boiling Water Tank

The boiling water tank is high quality grade 316L stainless steel and is available in 3 or 6 litre capacity.

Safety Features

Safety lock mechanism on the boiling side and cool touch insulated tap.

Designed and Assembled in the UK

At our manufacturing facility in West Yorkshire.

Warranty

The full Zen range is covered by a 2 year parts or replacement warranty.

Zen Range Overview

Zen Solo 100°C

Boiling Water Tap



100°C

p.10

Dedicated true boiling 100°C water tap.

See full details on page 14.

Zen Spa 100°C

2 in 1 Boiling and Chilled Tap



100°C



Filtered Cold



Filtered Chilled

2 in 1 hot and cold drinks station. True boiling 100°C water alongside filtered cold (ambient) or filtered chilled water. Ideal for commercial specification projects.

See full details on page 16.

Zen Life 100°C

Boiling Tap with Hot and Cold Mixer



100°C



Hot & Cold Mixer

True boiling 100°C water alongside standard hot and cold kitchen mixer tap capabilities.

See full details on page 20.

Zen Crossover Valve

Use with a Zen Life to create a 4 in 1 tap



Filtered Cold

Use with a Zen Life to add optional filtered drinking water and create a 4 in 1 tap. Only filter the water you are going to drink.

See full details on page 22.

Zen Range Overview

Zen Font with Drain

Use to Create a Separate Drinks Station



p.12

A solution where access to a sink is unavailable or not desired. Can be used with the Zen Solo, Zen Spa, Ice Solo and Ice Spa - ideal to create a separate drinks station.

See full details on page 18.

Zen Ice

Cold Drinking Water Tap Range



Filtered Cold



Filtered Chilled

Choose from configurations of cold (ambient) and chilled water depending which Zen Ice tap and chiller unit you choose.

See full details on page 28.

Zen Tap Finishes

Explore the stylish Zen range to discover your perfect water solution. Our range comprises three elegant finishes which will enhance and compliment a wide spectrum of kitchen design concepts.



Polished
Chrome



Brushed
Nickel



Black

Polished Chrome

Polished chrome remains a popular, durable and versatile choice that will effortlessly compliment both new and existing hardware. This high shine, stylish finish will accentuate your space and provide a classic and timeless luxury feel.

Brushed Nickel (- BN)

For an effortlessly premium aesthetic which lends itself perfectly to a variety of designs, brushed nickel is the ideal solution. This organic and understated finish is a perfect addition that will subtly compliment your design.

Black (- BK)

The ultimate in sophistication and simplicity. A crisp, fresh finish which offers a versatile canvas on which you can experiment with design and concept.

Product code suffix for non standard finishes shown in brackets.

Zen Solo 100°C

Boiling Water Tap

3 and 6 litre boiling water tank



Usage

A Zen Solo dedicated boiling water tap is a stylish, modern, time and space saving addition to any kitchen. It replaces the need for a traditional kettle in

the home, or counter top/ wall mounted boiling water unit in the office.

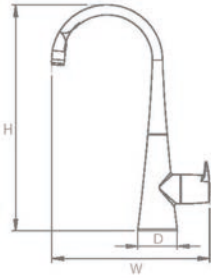
Instant boiling water is ideal for a wide range of kitchen uses including tea and coffee making, providing a quick start for boiling rice, pasta and vegetables and soaking oven dishes.

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

Features and Benefits

- Dedicated boiling water tap
- Instant true boiling 100°C water
- Time saving – provides instant hot water so no waiting for the kettle to boil
- Space saving – frees up worktop space by eliminating the need for a kettle
- Energy saving – no energy wasted boiling more water than is required
- Suitable for commercial or domestic applications
- Innovative aerogel insulation on boiling tank minimises losses
- Smart technology algorithms learn and predict usage: on when you need it, off when you don't
- 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.
- Designed and assembled in the UK
- 360° swivel tap
- Standard tap finish is polished chrome
- Other finishes available at additional cost (page 13)
- Dispensed water temperature can be adjusted down to 98°C on installation if required
- Cool touch insulated tap
- Status ring on the base of the tap to indicate ready or heating (green/ red LED)
- Safety lock
- Available with 3 or 6L boiling water tank
- 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 (see specification on page 32)
- Supplied with expansion vessel and pressure relief valve
- Can be fitted with the stylish Zen Font with Drain (page 18)
- 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.

Product Code	Capacity (litres)	Heat Up Time (mins)	Standing Loss (kWh/day)
SOLO3L	3	12	0.42 17 W
SOLO6L	6	14	0.50 20 W



Outer Casing

Tap-polished chrome finish as standard
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

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 Solo Tap	288	152	49	1.1	–
ZEN Tank 3L	460	182	221	5.8	8.8
ZEN Tank 6L	460	220	270	6.7	12.7

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

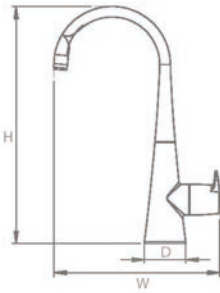
- All of the features and benefits of the Zen Solo plus cold (ambient) or chilled drinking water from a single tap
- Suitable for commercial or domestic applications
- Energy efficient - standing loss only 17 W for 3L boiling tank and 20 W for 6L model
- High flow rate over 3 l/m and high initial capacity 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

Zen Font with Drain

Use to Create a Separate Drinks Station

Black or white glass



Usage

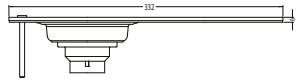
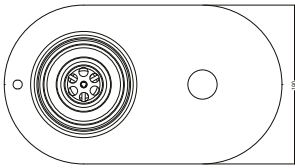
The Zen Font provides a stylish, sleek solution for installing a Zen Solo and Zen Spa tap where access to a sink is unavailable or not desired.

p.18

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

GrilleElectro 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 Life 100°C

Boiling Water Tap with Kitchen Hot and Cold Mixer 3 and 6 litre boiling water tank



The elegant 3 in 1 tap provides instant true boiling 100°C water alongside hot and cold mixer tap capabilities.

It is perfect for retro-fit applications as well as new kitchens. This is the only tap you need in your kitchen.

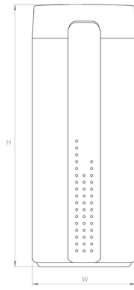
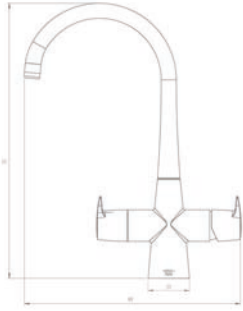
Usage

The Zen Life is a practical and stylish choice when considering any commercial or domestic kitchen.

Features and Benefits

- Creates a clutter free and simplified design within any kitchen or office
- Instant true boiling 100°C water ideal for a wide range of kitchen uses
- Designed and assembled in the UK
- Time and space saving
- 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.
- Safety lock on the boiling side
- Innovative aerogel insulation on boiling tank minimises losses
- Boiling water tank has smart technology algorithms that learn and predict usage
- Cool touch insulated tap with 360° swivel function
- Zen Life tap should be mounted over a sink. Not suitable for use with a Zen font and drain.
- Boiling water status ring on base of tap to indicate ready or heating (green/ red LED)
- Dispensed water temperature can be adjusted down to 98°C on installation if required
- Available with 3 or 6L boiling water tank
- Power rating 1.60 kW for 3L and 2.84 kW for 6L model
- Standard sink hot and cold mixer supplied from your existing hot and cold mains water supply
- Consider installing a Speedflow to provide hot water for dish washing if there is no central heating system nearby (page 40)
- Must be fitted with initial scale filter (F5SST) supplied for inlet to boiling tank (see specification on page 32)
- Elongated mixer lever for ease of use total length 100 mm length from centre 80 mm
- Shorter mixer lever for restricted space kitchens total length 70 mm length from centre 55 mm
- 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.

Product Code	Capacity (litres)	Heat Up Time (mins)	Standing Loss (kWh/day)
LIFE3L	3	12	0.42 17 W
LIFE6L	6	14	0.50 20 W



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

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 Life Tap	365	286	56	2.5	–
ZEN Tank 3L	460	182	221	5.8	8.8
ZEN Tank 6L	460	220	270	6.7	12.7

Zen Crossover Valve

Use to Create a 4 in 1 tap



Usage

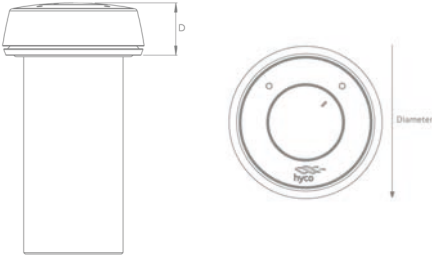
The elegant Zen Crossover Valve can be used to add filtered cold drinking water to the Zen Life, Sigma or any kitchen mixer tap. Finished in polished chrome, brushed nickel or black the Crossover Valve will sit on the worktop near your tap and allow you to choose between mains cold and filtered drinking water.

This multipurpose valve could also be used with any tap to choose between two cold water options.

Features and Benefits

- Elegant counter mounted Crossover Valve
- Use with the Zen Life or Sigma to create a 4 in 1 tap - hot & cold mixer, boiling and filtered cold
- Smooth, ergonomic operation
- Efficient - only filter the water you are going to drink
- Maintains higher flow rate mains cold for washing up
- Filtered drinking water has a lower flow rate
- Supplied with initial drinking water filter (F1T). (See page 32).
- Use with the Sapphire undersink chiller to deliver filtered chilled drinking water. (See page 26).
- Installation kit included
- Simple to use and easy to install
- Not suitable for boiling water
- Sits on the worktop near your tap
- Polished chrome in stock
- Other finishes available at additional cost.

Product Code	Finish
ZENCX	Polished chrome
ZENCXBN	Brushed nickel
ZENCXBK	Black



Controls

To change water sources dispensed from the tap, turn the dial to the source required.

Installation

Required hole diameter for mounting valve 35 - 38mm. Sink/counter top up to 60mm thick.

Installation kit and filter (F1T) provided.

Flow Rates

Mains water supply normally 5 l/m (dependent on incoming main).

Filtered cold 1.9 l/m.

Standard Warranty

2 years parts or replacement warranty.

Product Code	Diameter (mm)	Depth (mm)
ZENCX (all finishes)	50	15

Sigma

Boiling Water Tap with Kitchen Hot and Cold Mixer 2.4 litre boiling water tank



Usage

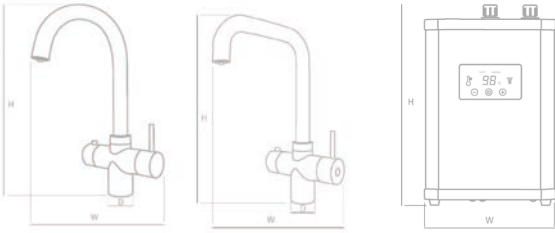
A competitively priced 3 in 1 boiling water tap which provides near boiling 98°C water for tea, coffee and many kitchen uses and a standard kitchen hot and cold mixer all from a single tap. This makes it ideal for retro-fit applications as well as new kitchens in the home and small offices.

p.24

Features and Benefits

- Creates a clutter free and simplified design within any kitchen
- Time and space saving
- Filtered near boiling 98°C water ideal for a wide range of kitchen uses
- Polished chrome or brushed nickel finish
- Swan or square neck spout
- Cool touch insulated tap with 180° swivel function
- Safety lock on the boiling side with spring-back tap handle
- Elongated mixer lever for ease of use total length 115 mm length from centre 90 mm
- Kitchen mixer on RHS and boiling handle on LHS of tap
- 2.4 litre compact tank, saves on cupboard space
- Power rating 1.5 kW
- Use with the Zen crossover valve to create a 4 in 1 tap by adding filtered drinking water
- Easy to install - no expansion vessel or relief valve needed
- 98°C water flow rate 1.2 litres per minute
- Digital temperature display on tank with ready/ heating indicator
- Choose from a number of temperature settings between 90°C and 98°C
- Standard sink hot and cold mixer supplied from your existing hot and mains cold water supply
- Consider installing a Speedflow to provide hot water for dish washing if there is no central heating system nearby (page 40)
- Must be fitted with initial scale filter supplied for inlet to boiling tank. Replacement filter cartridge available (SIGMACAR)
- The Sigma tap should be mounted over a sink. Not suitable for use with a Zen font and drain.

Product Code	Tap Neck	Tap Finish
SIGMAS	Swan	Polished Chrome
SIGMAQ	Square	Polished Chrome
SIGMASBN	Swan	Brushed Nickel
SIGMAQBN	Square	Brushed Nickel



Outer Casing

Tap – polished chrome or brushed nickel finish, swan or square neck
 Tank – powder coated steel

Water Tank

Stainless steel

Thermostat

Electronic

Initial Draw off

10 cups/ 6 mugs based on 167 ml cup and 250 ml mug.

Recovery Rate

80 cups/ 48 mugs per hour

Heat Up Time

9 minutes from cold to 98°C
 6 minutes after initial draw off to 98°C

Safety

Overheat temperature protection.

Safety lock mechanism.

IP Rating

IPX4

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.

Open vented system means slight delay in dispensing 98°C water after the spring-back tap handle has been turned on

Plumbing

Must be installed by a suitably qualified person.

Intended for connection to the mains water supply.

Minimum water pressure 1.5 bar. Maximum water pressure 5 bar. If higher than this a pressure reducing valve is required.

Electrical Connection

Installation must comply with current IET wiring regulations.

Tank

Supplied with kettle lead (1.3m cable and 13 amp UK plug)

Approvals

CE, UKCA

Standard Warranty

1 years parts or replacement warranty. Supplied scale filter must be fitted and replaced every 6 months or 2000 litres or the warranty may be void.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
SIGMAS	383	170	50		
SIGMAQ	348	170	50		
Sigma Tank	265	190	190	4.0	6.4
SIGMACAR	300	67	85		

Sapphire Water Chiller

Undersink



Usage

Undersink water chiller to be used with a counter mounted tap and filter to provide instant, high quality chilled drinking water.

p.26

Features and Benefits

- Add to your Zen Spa to provide boiling and chilled water through your 2 in 1 Zen Spa tap
- Team with one of our Zen Ice or Crystal Pure drinking water taps for chilled drinking water solutions
- Designed to fit in a standard kitchen undersink cupboard
- In office environments avoids the need for space to be taken up by a floor standing chiller unit
- Simple to use
- Chill capacity 20 litres or 120 glasses per hour (glass 167 ml)
- 3 litres immediate draw off
- Flow rate 2 l/pm when chiller used with Zen tap and connected to F1T filter
- Plumbed in system gives reduced costs over bottle fed coolers - connects directly to the mains water supply
- Chilled water temperature adjustable from 4°C to 10°C
- All our taps for use with the Sapphire chiller are suitable for filling sports bottles and carafes
- Helps reduce single use plastic
- Consider the Zen Font with Drain (page 18) for a stylish sleek solution when mounting the tap over a sink is not possible or desired.

Product Code	Chill Capacity (litres/ hour)	Glasses per hour (167ml glass)	Power (kW)
SAPUC1	20	120	0.2



Outer Casing
Metal

Capacity
120 glasses per hour
(based on 167 ml glass)

Maintenance
Sanitise every 3 - 6 months.

Change filter approximately every 6 months.

See product instructions for full maintenance requirements.

Refrigerant Type
R134A, R290 or R600

IP Rating
IP20

Power (kW)
0.2

Current (amps)
0.9

Installation

Chilling requires the ambient room temperature to be between 10°C and 38°C.

Plumbing

Must be installed by a suitably qualified person.

Minimum water pressure 1 bar.

Maximum water pressure 3 bar.
If higher than this a pressure reducing valve is required.

Electrical Connection

Supplied with a pre-wired (1.85m) black kettle lead cable BS plug.

Class I

Approvals

CE, UKCA, WRAS

Standard Warranty

2 years parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
SAPUC1	370	265	360	13

Zen Ice

Cold Drinking Water Taps Solo, Spa or Life



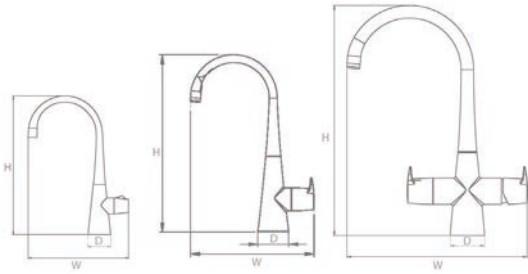
Usage

The elegant Zen Ice tap range can be used to supply varying combinations of cold (ambient) and chilled water. The Ice Solo and Ice Spa are ideal for use with the Zen Font with Drain. All of the Zen Ice range taps are suitable for use in many domestic and commercial applications including office kitchens and canteens.

Features and Benefits

- Stylish and practical Zen range tap
- Suitable for filling sports bottles and carafes
- Instant high quality filtered drinking water. Filter and installation kit supplied with all models (F1T). (See page 32).
- 360° swivel tap
- Polished chrome finish as standard. Other finishes available on request.
- Zen Ice Solo single outlet tap provides any one of cold (ambient) or chilled water
- Connect your Zen Ice Solo tap directly to the mains cold water supply for a low cost filtered cold (ambient) only drinking water option
- Team your chosen tap with our Undersink Sapphire Water Chiller if you want to provide chilled water (page 26)
- Zen Ice Spa double outlet tap will provide cold (ambient) and chilled water
- Zen Ice Life combines hot and cold kitchen mixer with any one of cold (ambient) or chilled water options

Product Code	Tap Type	360° Swivel
ICESOLO	Single outlet	Yes
ICESPA	Double outlet	Yes
ICELIFE	Kitchen mixer plus single outlet	Yes



Outer Casing

Polished chrome finish
Other tap finishes available on request at additional cost (page 13)

Installation

Required hole diameter for mounting the tap 32mm.
Fits in a standard sink.
Sink/ counter top up to 50mm thick.

Plumbing

Must be installed by a suitably qualified person.

Supplied with all fittings required including adaptors to facilitate connection to 15mm copper pipe.

Standard Warranty

2 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
ICESOLO	288	152	49	1.1
ICESPA	320	224	56	1.6
ICELIFE	365	286	56	2.5

Crystal Pure

Cold Drinking Water Tap
Single outlet



Usage

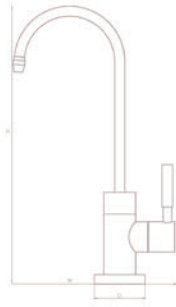
The Crystal Pure drinking water tap is an ideal solution for supplying filtered cold (ambient) or chilled water. The tap can be used with the Zen Font with Drain when connection to a standard sink is not available.

p.30

Features and Benefits

- Stylish brushed stainless steel finish
- Suitable for filling sports bottles and carafes
- Instant high quality filtered drinking water. Filter and installation kit supplied with all models (F1T). (See page 32).
- 360° swivel tap
- 1/4 turn adjustable lever
- Single outlet tap to provide any one of cold (ambient) or chilled drinking water
- Connect your Crystal Pure tap directly to the mains cold water supply for a low cost filtered cold (ambient) only drinking water option
- Team your Crystal Pure tap with our Undersink Sapphire Water Chiller if you want to provide chilled water (page 26)

Product Code	Tap Type	360° Swivel	Reach (mm)
CPURE	Single outlet	Yes	91.5



Outer Casing

Stainless steel, brushed stainless steel finish

Installation

Required hole diameter for mounting the tap 13mm.
Fits in a standard sink.
Sink/ counter top up to 40mm thick.

Plumbing

Must be installed by a suitably qualified person.

Supplied with all fittings required including adaptors to facilitate connection to 15mm copper pipe.

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
CPURE	265	150	50	0.7

Drinking Water Filters

Taste and Odour, Scale



Usage

A water filter is often fitted with our boiling and chilled water products to provide high quality, great tasting drinking water. There are two general types of filter available.

Taste and odour carbon block filters help to improve the taste of drinking water by removing some of the chlorine present in UK mains water; these filters are ideal for the cold/ chilled water supply.

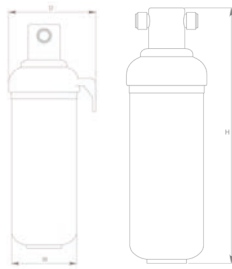
Scale inhibiting filters are strongly recommended for use with boiling water products, particularly when installed in areas where scale is a known issue. This type of filter also offers chlorine reduction and helps to improve the taste.

Features and Benefits

- Quick and easy to change filters
- Automatic water shut off head
- Choice of filters to suit a variety of applications
- All filter models reduce chlorine, improving taste and odour
- F2ST and F5SST models inhibit scale build up, reducing service costs associated with scale removal
- Does not remove important minerals from water, unlike most reverse osmosis or iron exchange units
- Integral mounting bracket
- All filters are WRAS approved
- Check system is suitable for the water quality in your area
- Scale maps of the UK are readily available online, refer to these for information regarding water quality in your area
- For help choosing the most appropriate filter please contact our sales team
- Some products are supplied with a filter - please check relevant product page

Product Code	Function	Taste & Odour Improvement	Scale Reduction	Use For
F1T	Chlorine reduction in cold water systems	Yes	No	Cold drinking water supply
F2ST	As F1T plus scale control (up to 300 ppm) in moderate hard water areas for low throughput products*	Yes	Yes	Omega Microboil
F5SST	As F1T plus scale control (up to 300 ppm) in moderate hard water areas for high throughput products*	Yes	Yes	Omega Microboil Zen boiling water supply

*ppm = parts per million CaCO₃



Installation

Wall mounting bracket integral to the filter system.

Flush filter for 5 minutes prior to use.

Plumbing

F1T and F2ST
1/4" push fit

F5SST
3/8" push fit

Replacement Cartridges

Product codes in the data tables are for the full filter system including the head.

For replacement cartridges add suffix 'CAR' to the required product code.

Maintenance

F1T and F2ST: Replace cartridge after 6 months or when capacity is reached, whichever is sooner.

F5SST: Replace cartridge after 9 months or when capacity is reached, whichever is sooner.

If the water flow rate becomes slow this is an indication that the filter cartridge needs replacing.

Fitting a filter does not negate the need to service and descale your unit at regular intervals.

Approvals

WRAS

Standard Warranty

Filters are warranted for defects in material and workmanship only.

F1T and F2ST: 6 months

F5SST: 9 months

Product Code	Particle Filtration (micron)	Flow Rate (l/m)	Capacity (L)
F1T	1	1.9	5,678
F2ST	1	1.9	5,678
F5SST	1	3.7	10,000

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
F1T	240	65	80	0.6
F2ST	240	65	80	0.6
F5SST	295	95	105	0.8

Omega

Wall Mounted Boiling Water Heater 3 and 5 litre



Usage

The Omega is a practical, stylish wall mounted unit that will provide instant boiling water for preparing hot drinks in the workplace. The sleek, ergonomic design with curved lines gives a contemporary look whilst the robust, durable design specification makes it an essential appliance in a work environment.

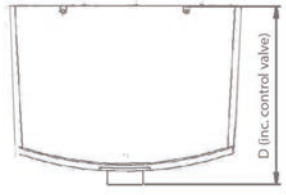
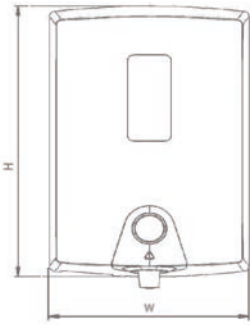
p.34

Features and Benefits

- Designed and assembled in the UK
- 2.84 kW gives fast heat up time and high recovery rate
- Time saving – provides instant hot water so no need to wait for the kettle to boil
- Space saving – frees up worktop space by eliminating the need for a kettle
- Energy efficient -standing losses only 23 W
- Status ring on base of control valve to indicate ready or heating (green/ red LED)
- Robust, heavy duty control valve
- Cool touch control valve and water outlet reduce heat losses
- Simple to use and easy to install
- Durable, high impact and easy to clean white ABS case
- Sophisticated electronics maintain a constant supply of hot water - even when the unit is automatically re-filling after heavy usage
- Autocalibration for optimal temperature
- 1 year on-site warranty as standard
- 3 year on-site warranty available on request at additional cost
- **It is highly recommended that a filter system is fitted to protect against scale build up. Units may need to be de-scaled regularly. Scale damage is not covered by the warranty (see page 32).**

Product Code	Capacity (litres)	Initial Draw Off (cups/ mugs)*	Heat Up Time (mins)	Standing Loss (kWh/day)
OMEG3	3	18/ 12	7	0.55 23 W
OMEG5	5	30/ 20	11	0.55 23 W

*Initial draw off based on 167 ml cup and 250 ml mug

**Outer Casing**

Easy clean high impact Polycarbonate/ ABS

Heating Element

2.84 kW incoloy-sheathed type element

Thermostat

Electronic to control water up to boiling point

Water Tank

Stainless steel

Insulation

EPP (expanded polypropylene)

Filter System

Optional extra - highly recommended.

See page 32 for filter options.

IP Rating

IPX0

Recovery Rate

Recovery rate 166 cups/ 111 mugs per hour for all models based on 167 ml cup and 250 ml mug.

Installation

Install over a draining board, or work top fitted with a drip tray. At least 110mm clearance must be left above and below the unit to allow later removal of the jacket for service.

Plumbing

Must be installed by a suitably qualified person.

Minimum water pressure 1 bar.

Maximum water pressure 10 bar.

Water Connection

Inlet/ Outlet 2 x 15mm compression.
1 x tundish recommended.

Electrical Connection

Installation must comply with current IET 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), to the bottom left.

Maintenance

It is recommended the unit is descaled every 6 months.

Drain in base of unit facilitates de-scaling

Approvals

CE, UKCA

Standard Warranty

1 year on-site warranty as standard.

3 year on-site warranty available at additional cost.

Product Code	Height (mm)	Width (mm)	Depth (mm)*	Weight (kg)	
				Empty	Full
OMEG3	500	330	255	7	10
OMEG5	500	330	255	7	12

*Depth includes front control. Distance of water outlet from wall is 180mm.

Microboil

Wall Mounted Boiling Water Heater 3, 6, 8, 16 and 25 litre



Usage

Provides instant boiling water for preparing hot drinks in the workplace.

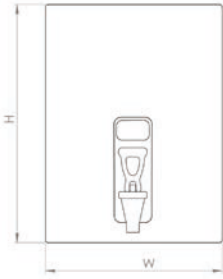
p.36

Features and Benefits

- Time saving – provides instant hot water so no need to wait for the kettle to boil
- Space saving – frees up worktop space by eliminating the need for a kettle
- Energy saving – no energy wasted boiling more water than is required
- Sophisticated electronics maintain a constant supply of hot water – even when the unit is automatically re-filling after heavy usage
- Stylish and compact design
- Simple to use and easy to install
- Heavy duty catering style chrome tap with lock-on option
- 1 year on-site warranty as standard
- 3 year on-site warranty available on request at additional cost
- **It is highly recommended that a filter system is fitted to protect against scale build up. Units may need to be de-scaled regularly. Scale damage is not covered by the warranty (see page 32).**

Product Code	Capacity (litres)	Initial Draw Off (cups/ mugs)*	Heat Up Time (mins)
MBS3	3	18/ 12	8
MBS6	6	36/ 24	15
MBS8	8	48/ 32	21
MBS16	16	96/ 64	41
MBS25	25	150/ 100	64

*Initial draw off based on 167 ml cup and 250 ml mug

**Outer Casing**

White powder coated steel

Heating Element

2.4 kW, Incoloy-sheathed type element

Thermostat

Electronic to control water up to boiling point

Water Tank

Copper
5 year corrosion guarantee

Insulation

Polystyrene

Filter System

Optional extra
– highly recommended.

See page 32 for filter options.

IP Rating

IPX0

Recovery Rate

Recovery rate 140 cups/ 94 mugs per hour for all models based on 167 ml cup and 250 ml mug.

Installation

Install over a draining board, or work top fitted with a drip tray.

At least 40mm clearance must be left above the unit to allow later removal of the jacket for service.

Plumbing

Must be installed by a suitably qualified person.

Minimum water pressure 1 bar.

Maximum water pressure 12 bar.

Water Connection

Inlet/ Outlet 2 x 1/2" BSP male.
Fittings required (not supplied):
2 x 15mm compression to 1/2" BSP female adapter.
1 x tundish recommended.

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) to the bottom left.

Maintenance

It is recommended the unit is descaled every 6 months.

Approvals

CE, UKCA, KIWA, WRAS

Standard Warranty

1 year on-site warranty as standard.

3 year on-site warranty available at additional cost.

Product Code	Height (mm)	Width (mm)	Depth (mm)*	Weight (kg)	
				Empty	Full
MBS3	370	269	153	5.6	8.6
MBS6	420	312	171	7.2	14.8
MBS8	510	312	171	8.7	17.2
MBS16	545	364	218	10.8	28.8
MBS25	550	414	264	12.3	37.8

*Depth excludes the tap, for depth including tap add 90mm.

Water Heating

Speedflow

Unvented Water Heater
5, 10 and 15 litre
Glass lined tank



p.40

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).

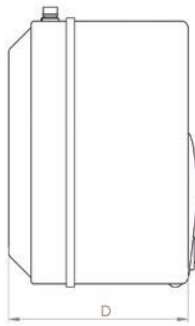
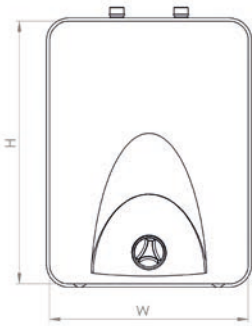
1 basin: **SF05K**, 1 – 2 basins: **SF10K**, 2 – 3 basins: **SF15K**

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 10 and 15 litre models for restricted load applications
- Neon element on indicator
- Glass lined 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
- New stainless steel tank 10 & 15 litre model available (see page 42)

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
SF05K	5	2.0	6	0.51
SF10K, SF10K12	10	2.0 1.2	12 20	0.63
SF15K, SF15K12	15	2.0 1.2	18 31	0.71

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



Outer Casing
Easy clean, high impact plastic

Heating Element
Stainless steel flange type

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

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 and flexible hoses are used for connection to facilitate future maintenance.
Access to the thermal cut-out and element is located at base 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
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
SF05K	320	280	245	5.5	10.5
SF10K, SF10K12	410	310	280	6.8	16.8
SF15K, SF15K12	530	310	280	8.3	23.3

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).

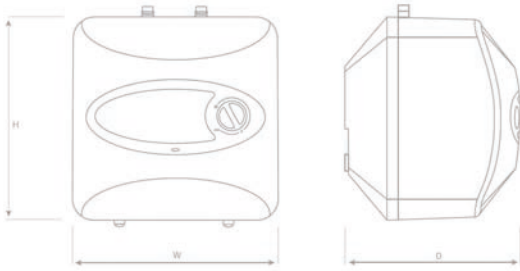
1 – 2 basins: **SF10SS**, 2 – 3 basins: **SF15SS**

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	10	2.0	12	0.63
SF1012SS		1.2	20	
SF15SS	15	2.0	18	0.71
SF1512SS		1.2	31	

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



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

Speedflow Accessories

Unvented Water Heater

5, 10 and 15 litre

Depending on the details of the Speedflow installation additional accessories may be needed to comply with the Water Regulations.

See diagrams on the opposite page.

SF3 Kit

Expansion vessel and check valve
2 litre expansion vessel set at 3.5 bar.
Buy SF6 kit instead of SF3 for fast install.



SF4 Kit

Expansion vessel, check valve
and pressure reducing valve.
Buy SF7 kit instead of SF4 for fast install.



SF5 Kit

Pressure reducing valve set at 3 bar



Fast Install Inlet Group

New inlet group to connect expansion vessel and pressure relief valve, incorporating check valve and service valve, to ensure installation is correct every time. Allows for easier quicker installation, saves valuable time and service valve facilitates easy maintenance.



SF6 Kit

Expansion vessel and fast install inlet
group incorporating check valve

SF7 Kit

Expansion vessel, pressure reducing valve
and fast install inlet group incorporating
check valve

SF8 Kit

Fast install inlet group incorporating check valve

*All SF kit components WRAS approved

Accessory	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
Expansion vessel	225	120	120	1.0
Check valve	65	25	25	0.1
Pressure reducing valve	73	64	46	0.3
Inlet group	52	120	44	0.3

Diagram A

Pressure below 4.2 bar and hot water expansion can be accommodated in the pipework

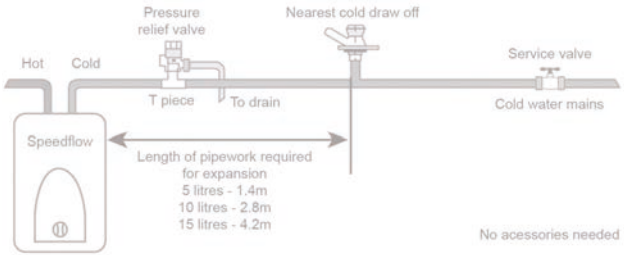
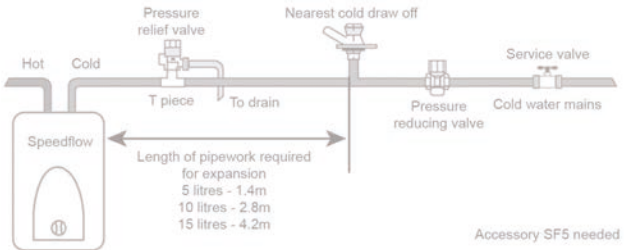


Diagram B

Pressure above 4.2 bar and hot water expansion can be accommodated in the pipework



p. 45

Diagram C

Pressure below 4.2 bar and hot water expansion cannot be accommodated in the pipework (cold water draw off nearby)

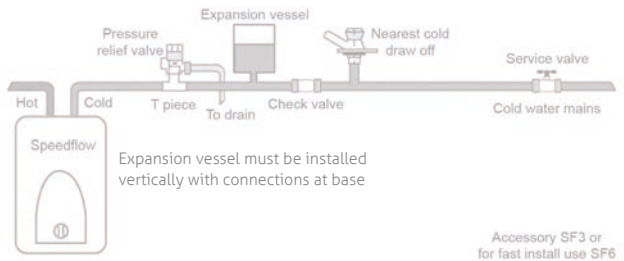
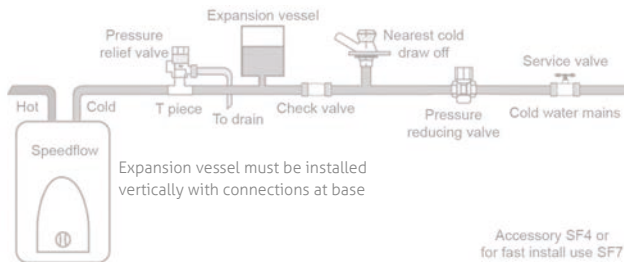


Diagram D

Pressure above 4.2 bar and hot water expansion cannot be accommodated in the pipework (cold water draw off nearby)



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

p.46

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)

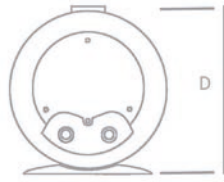
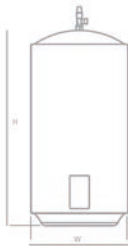
3 – 5 basins: **PF30S**, 4 – 6 basins: **PF50S**, 5 – 8 basins: **PF80S**,
7 – 11 basins or 1 bed/1 shower: **PF100S**

Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Smart technology gives high energy efficiency
- Three modes of operation, standard, smart & 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)

Superflow

C

Unvented Multipoint Water Heater

90, 140 litre



Floor mounted

p.48

Usage

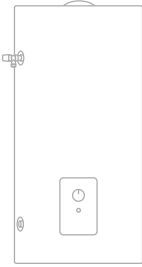
Suitable for hand washing and dish washing where a number of hot water outlets are required such as kitchens, schools, restaurants, washrooms, healthcare environments and offices. The ideal solution for light industrial, commercial and light domestic hot water requirements. Can be used for a shower - check that the capacity is suitable for your flow rates and showering time/frequency.

Features and Benefits

- Slender slimline design
- Mains pressure flow rates
- Erp rating C
- Can be used with regular taps, including mixers
- 3.0 kW element for fast heat up time
- Element on indicator
- External temperature control
- Easy inspection and maintenance
- Access to element and thermal cut out beneath the thermostat housing
- Anode located at the top of the unit meaning only partial drain down is required to inspect or replace
- Patented technology ensures incoming cold water does not immediately mix with stored hot water in the tank making more hot water available
- Glass lined tank, 3 year tank warranty
- Comes complete with unvented accessory kit
- Optional thermostatic mixing valve available (see page 50)
- Floor standing, no wall mounting necessary
- Cable pre-wired (1.5 m), to thermostat housing

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
SR90	90	3.0	74	1.67
SR140	140	3.0	114	1.91

*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
Mechanical up to 65°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.
Optional thermostatic mixing valve to maintain hot water supplied to user at constant, safe temperature.

IP Rating
IPX4

Installation
Floor standing only. Must be installed vertically.
Plan installation carefully to allow sufficient space for all controls and future maintenance.

Unvented Accessory Kit
Supplied kit must be fitted. Contains expansion vessel with fixing bracket (8L for **SR90** and 12L for **SR140**)**, 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
1/2" MBSP for 90L and 3/4" MBSP for 140L

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. 3 year tank warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
SR90	1040	410	410	29	118
SR140	1040	530	530	48	187

** Expansion vessel dimensions, 8L H 305mm x D 220mm, 12L H 315mm x D 260mm (excluding threads)

Thermostatic Mixing Valve

Unvented Accessory



p.50

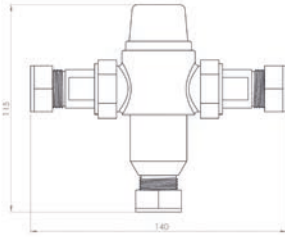
Usage

For use with the Speedflow or Powerflow unit, where maintaining water supply at a safe and constant temperature is necessary. Ideal for use in many applications including schools, hospitals, public washrooms, restaurants and office and commercial kitchens. Delivers safe hot water to basins, baths and showers.

Features and Benefits

- Allows water to be stored at high temperatures and blended with cold water to a pre-set outlet temperature
- Maintains water supply at a safe and constant temperature
- Allows extension of effective capacity by mixing high temperature water with cold to achieve the pre-set temperature level
- Allows water to be safely stored above 60°C
- Failsafe design
- Temperature setting range 35 – 46°C
- Temperature accuracy $\pm 2^{\circ}\text{C}$
- Lockable control knob with unique key to prevent unauthorised temperature adjustment

Product Code	Temperature Setting Range (°C)	Cold Water Connection (BSP)	Failsafe
TMV15-1	35 - 46	15mm compression	Yes



Installation

Install on the hot outlet of the water heater, with a separate feed from the cold mains supply.

Plumbing

Must be installed by a suitably qualified person.

Water Connection

Hot and cold inlet 2 x 15mm compression.

Mixed outlet 1 x 15mm compression.

Fittings required (not supplied): none.

Maximum inlet temperature 85°C.

Maximum inlet pressure ratio (H/C or C/H) 5:1.

Minimum temp difference between the inlet hot water and the outlet mixed water for fail safe 10°C.

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TMV15-1	115	140	37	0.5

Ara

A

Instantaneous Inline
Water HeaterThermostatic and non thermostatic
3.0 kW

Usage

Effective low cost solution for light hand washing at a single basin. Compact design, energy efficient and easy to install. Buy with our compatible hot and cold tap as a set for convenience and confidence. Confirm that the flow rate and temperature performance is adequate for your application using the chart and tables provided.

p.52

Features and Benefits

- Supplies hot water to a single outlet for light hand washing only
- Bare wire heating system gives fast heat up time
- Heats the water instantly as it flows through the unit
- Energy efficient –no standing losses
- 3.0 kW power rating
- Easy to install, 13 amps connects to standard wiring
- Ideal bought as a set with our hot and cold tap or for IN30T use with a Vega infrared tap (page 60)
- Not suitable for use with thermostatic mixing valves or taps or to supply a single lever mixer tap
- Must be used with a spray head tap
- Supplied 1.6l/m flow restrictor must be fitted to the tap spout giving a temperature uplift of 27°C
- This will give 42°C in summer, incoming water temp 15°C and

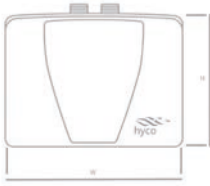
37°C in winter, incoming water temp 10°C.

Thermostatic Model Only

- External electronic thermostatic control accurate to the nearest degree
- LED temperature display
- Energy saving – only uses the power required to deliver the chosen temperature
- Heating power automatically adjusted to compensate for temperature, flow rate and water pressure variations
- Temperature factory set at 38°C and can be adjusted by the user between 35°C and 50°C. In normal usage the maximum temperature is 37°C to 42°C.
- After power interruption the unit will recall the last usage outlet temperature but must be turned back on using the touch screen

Product Code	Includes HCTAP1	Power (kW)	Thermostatic	Max Flow Rate (l/m) handwash*	Standing Loss (kWh/day)
IN30SET	Yes	3.0	No	1.7	0
IN30	No				
IN30TSET	Yes	3.0	Yes	1.7	0
IN30T	No				

*Flow rates based on incoming water supply temperature of 13°C, hand wash at 38°C



Outer Casing
Easy clean high impact ABS

Heating Element
Bare-wire heating system

Controls (Thermostatic Model only)
Temperature display (°C)
Power on/ off button
+/- controls allow the user to set the required temperature.

Tap and Tap Spray Nozzles
See features and benefits section

Safety
Overheat temperature protection
IN30 - 75°C, IN30T - 85°C.
Thermostatic model – water temperature controlled to maintain user selected temperature between 35°C and 50°C as water pressure conditions vary.

IP Rating
IP24 - IN30
IP24 - IN30T

Installation
This appliance must be installed in a frost free environment.

The heater should be located as close as practical to the hot water outlet to avoid unnecessary heat losses through the pipework.

Plumbing
Must be installed by a suitably qualified person.

Minimum flow rate 1.2 l/m.
Minimum water pressure 0.5 bar.
Maximum water pressure 8.0 bar.
Water resistivity $\geq 1300 \Omega\text{cm}$.

Water Connection
Inlet/ Outlet 2 x 1/2" BSP male (37mm apart centre to centre).
Fittings required (not supplied):
2 x 15mm compression to 1/2" BSP female adapter.

Thermostatic model only is suitable for use with pre-heated water e.g. solar heating systems subject to maximum inlet water temperature 60°C.

Electrical Connection
Installation must comply with current IET wiring regulations.

Single phase. Fuse rating guide 13 amps.

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 0.7m.

Approvals
CE, UKCA

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg) Empty
IN30	170	135	70	0.9
IN30T	130	185	90	1.3
HCTAP1	230		170	

Rho

A

Instantaneous Inline
Water HeaterThermostatic and non thermostatic
4.4 and 6.0 kW

p.54

Usage

Suitable for hand washing at a single basin. Confirm that the flow rate and temperature performance is adequate for your application using the chart and tables provided.

Features and Benefits

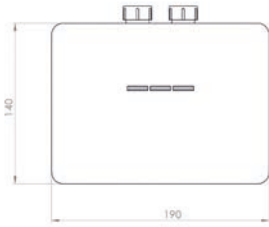
- Supplies hot water to a single outlet
- Bare wire heating system gives fast heat up time
- Heats the water instantly as it flows through the unit
- Energy efficient – no standing heat losses
- 4.4 or 6.0 kW power rating
- Compact space saving design
- Intended for use with spray head taps with removable M22/ M24 nozzles
- Thermostatic models suitable to use with Vega infrared tap (page 60)
- Not suitable for use with thermostatic mixing valves or taps or to supply a single lever mixer tap

Thermostatic Model Only

- External electronic thermostatic control accurate to the nearest degree
- Blue LED temperature display
- Energy saving – only uses the power required to deliver the chosen temperature
- Heating power adjusted electronically to compensate for temperature, flow rate and water pressure variations
- Temperature factory set at 38°C and can be adjusted by the user between 30°C and 48°C
- After power off/ on the unit will recall the last usage outlet temperature

Product Code	Power (kW)	Thermostatic	Max Flow Rate (l/m) handwash*	Standing Loss (kWh/day)
IN44 IN44T	4.4	No Yes	2.5	0
IN60 IN60T	6.0	No Yes	3.4	0

*Flow rates based on incoming water supply temperature of 13°C, hand wash at 38°C



Outer Casing
Easy clean high impact ABS

Heating Element
Bare-wire heating system
(3 nickel chrome heating elements)

Controls (Thermostatic Model only)
Temperature display (°C)

Power on/ off button

+/- controls allow the user to set the required temperature

The temperature display will flash if the set temperature cannot be reached.

Tap and Tap Spray Nozzles
Intended for use with spray head taps with removable M22/ M24 nozzles. Compatible taps available.

Important – the supplied tap spray nozzle must be fitted in the tap for best performance.

Safety
Overheat temperature protection 80°C. Thermostatic model – water temperature controlled to maintain user selected temperature between 30°C and 48°C as water pressure conditions vary.

IP Rating
IPX4

Installation
This appliance must be installed in a frost free environment.

The heater should be located as close as practical to the hot water outlet to avoid unnecessary heat

losses through the pipework.

Plumbing
Must be installed by a suitably qualified person.

Minimum flow rate 2.5 l/m.
Minimum water pressure 1 bar.
Maximum water pressure 7.5 bar.
Water resistivity $\geq 1300 \Omega\text{cm}$.

Water Connection
Inlet/ Outlet 2 x 1/2" BSP male (40mm apart centre to centre).
Fittings required (not supplied):
2 x 15mm compression to 1/2" BSP female adapter.

Suitable for use with pre-heated water e.g. solar heating systems subject to maximum inlet water temperature 60°C.

Electrical Connection
Installation must comply with current IET wiring regulations.

Single phase. Fuse rating guide 19 amps for 4.4 kW and 27 amps for 6.0 kW.

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 (0.7m).

Approvals
CE, UKCA, WRAS

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg) Empty
IN44 IN44T	140	190	80	1.6
IN60 IN60T	140	190	80	1.6

Aquila

A

Instantaneous Inline
Water Heater
Thermostatic, 9.6 kW



p.56

Usage

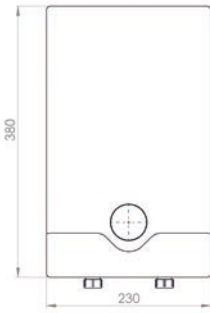
Suitable for hand washing at up to 2 basins, or for a single light shower, or light dish washing. Confirm that the flow rate and temperature performance is adequate for your application using the chart and tables provided.

Features and Benefits

- Supplies hot water to one or two outlets depending on application
- Bare wire heating system gives fast heat up time
- Heats the water instantly as it flows through the unit
- Energy efficient – no standing heat losses
- Energy saving – only uses the power required to deliver the chosen temperature
- External electronic thermostatic control accurate to the nearest degree
- 9.6 kW power rating
- Slimline design
- Not suitable for use with taps or showers with thermostatic mixing valves
- Heating power adjusted electronically to compensate for temperature, flow rate and water pressure variations
- LED temperature display
- Temperature factory set at 38°C and can be adjusted by the user between 30°C and 60°C
- One programmable memory setting
- After power off/ on the unit will recall the last usage outlet temperature
- Suitable for use with spray head taps with removable M22/ M24 nozzles
- Compatible taps available separately

Product Code	Power (kW)	Thermostatic	Max Flow Rate (l/m) hand wash*	Standing Loss (kWh/day)
IN96T	9.6	Yes	Hand wash or Shower 5.5 Dish wash 3.7	0

*Flow rates based on incoming water supply temperature of 13°C, hand wash or shower at 38°C, dish wash at 50°C



Outer Casing
Easy clean high impact ABS

Heating Element
Bare-wire heating system
(2 nickel chrome heating elements)

Control Screen (from left to right)
Temperature display (°C)
Actual flow rate display (l/m)
Heating power display (%)

Memory – save selected temperature.

Touch screen arrow keys allow the user to set the required temperature.

Touch screen power on/ off control.

The temperature display will flash if the set temperature cannot be reached.

Flow Dial
Increase/ decrease maximum water flow rate.

Safety
Overheat temperature protection 75°C (manual reset).
Water temperature electronically controlled to maintain user selected temperature between 30°C and 60°C as water pressure conditions vary.

IP Rating
IPX4

Installation
This appliance must be installed in a frost free environment.

The heater should be located as close as practical to the hot water outlet to avoid unnecessary heat losses through the pipework.

Plumbing
Must be installed by a suitably qualified person.

Minimum flow rate 2.5 l/m.
Minimum water pressure 1 bar.
Maximum water pressure 7.5 bar.
Water resistivity $\geq 1300 \Omega\text{cm}$.

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.

Suitable for use with pre-heated water e.g. solar heating systems subject to maximum inlet water temperature 60°C.

Electrical Connection
Installation must comply with current IET wiring regulations.

Single phase, fuse rating guide 42 amps. The product should be connected to the fixed wiring of the property via suitably rated isolating switch with a contact separation of at least 3mm in all poles.

Approvals
CE, UKCA, WRAS

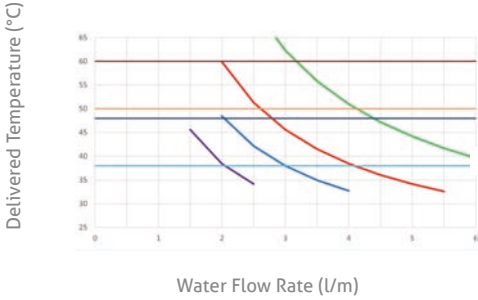
Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg) Empty
IN96T	380	230	90	2

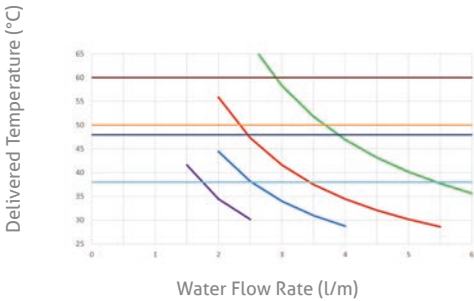
Instantaneous Inline Water Heater

Temperature Performance Charts

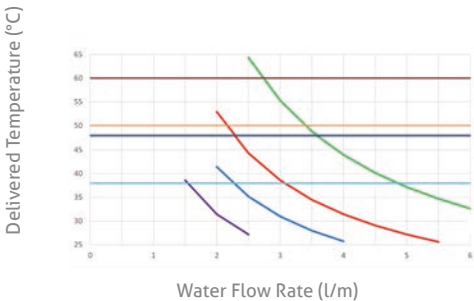
Incoming Water Supply Temp 17°C



Incoming Water Supply Temp 13°C



Incoming Water Supply Temp 10°C



- IN30T
- IN44T
- IN60T
- IN96T
- Hand Wash or Shower at 38°C
- Kitchen Sink at 50°C
- Max Temp 48°C (IN44T and IN60T)
- Max Temp 60°C (IN96T)

Selection Guide

Check the flow rate and water temperature will be adequate for your application using the chart and tables provided.

Take into account that the incoming water supply temperature will be lower in winter than summer.

Temperature Rise

Temperature rise from ambient for an instantaneous water heater (TR)
 $TR = \text{kW rating} \times 14.3 / \text{flow rate l/m}$

Temperature/ Flow Rate

Maximum temperature increase from ambient incoming water supply temperature at a flow rate of:

Flow Rate (l/m)	IN30T	IN44T	IN60T	IN96T
1.6	27°C			
2.5		25°C	34°C	
3.0		21°C	28.5°C	45°C
4.0				34°C
5.0				27°C

p. 59

Application

Recommended temperature for hand washing or shower 38°C.

Recommended temperature for a kitchen sink 50°C.

Ara, Rho and Aquila instantaneous water heaters are intended for use with spray head taps with removable M22/ M24 nozzles. A tap spray nozzle must be fitted in the tap to control the water flow rate and to provide best performance and energy and water efficiency.

Product Code	Power (kW)	Application	Water Flow Rate for best performance (l/m)
IN30/ IN30T	3.0	Light hand washing at a single basin	1.6
IN44/ IN44T	4.4	Hand washing at a single basin	2.5
IN60/ IN60T	6.0	Hand washing at a single basin	
IN96T	9.6	Hand washing at up to 2 basins or Light dish washing at a single sink or Light shower	2 per basin 3 per sink 4 - 4.5

Vega Automatic Infrared Taps

Mixer Lever, Square and Curve
Hygienic no touch operation



Usage

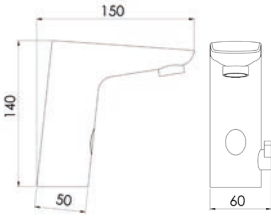
p.60

Automatic no touch range of taps to meet strict hygiene requirements, suitable for hand wash basins and supplied with a 3 l/min flow restrictor. Help to reduce water consumption and save energy.

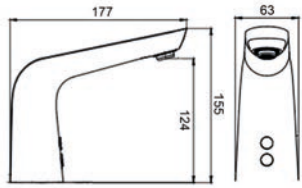
Features and Benefits

- Hygienic no touch operation
- Includes 3 l/min flow restrictor
- Reduce water consumption by up to 50% compared to traditional taps by controlling the flow rate
- Save energy by up to 50% compared to traditional taps by reducing the amount of hot water required per hand wash
- Usage timer prevents vandalism, continuous running and saves water
- Ensure tap dimensions are suitable for the sink. Note Vega Curve projects spray approx. 75mm further than the end of the spout.
- When used with a storage water heater a thermostatic mixing valve is required (see page 50).

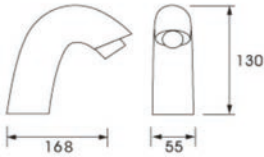
Product Code	Description
VEGAMIX	Vega Automatic Infrared Tap – Mixer lever
VEGAQ	Vega Automatic Infrared Tap – Square
VEGAC	Vega Automatic Infrared Tap – Curved



Vega Mix



Vega Square



Vega Curve

Vega Mixer Lever

Hygienic no touch operation.
Dual mains or battery powered.
Mixer lever gives option to
dispense hot and cold water if
required.
WRAS approved.

**Vega Square**

Hygienic no touch operation.
Battery powered.

**Vega Curve**

Hygienic no touch operation.
Battery powered.
Vega curve projects spray approx.
75mm further than the end of the
spout.

**Standard Warranty**

1 year parts or replacement
warranty

Product Code	Height (mm)	Diameter (mm)	Width (mm)	Weight (kg)
VEGAMIX	140	50	150	1.7
VEGAQ	155	63	177	1.3
VEGAC	130	55	168	0.7

Wave

Instantaneous Hand Wash
Manual and automatic
2.84 kW



p.62

Usage

Designed for light hand washing at a single basin.

Features and Benefits

- Unlimited hot water for light hand washing at a single washroom basin
- Designed and assembled in the UK
- Stylish and compact ergonomic design
- Energy efficient – heats water instantly at point of use so no long pipe runs and no standing heat losses
- 2.84 kW element
- Cost effective hot water for hand washing
- Integral inlet tap and swivel 200mm spray arm
- Optimised spray head to prevent splashing
- Durable easy to clean cover
- Simple to install and easy to use

Manual Unit

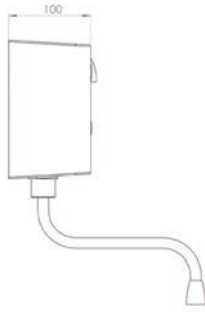
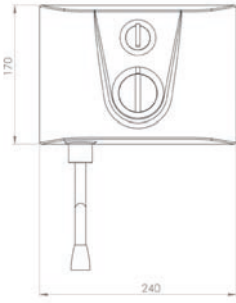
- Separate on/ off and temperature and flow rate control
- No need to re-calibrate flow rate every usage
- Correct temperature instantly achieved every time

Automatic Unit

- Automatic no touch operation
- Manual temperature and flow rate control

Product Code	Power (kW)	On/ Off Control	Max Flow Rate (l/m) Hand wash*	Standing Loss (kWh/day)
HW30M	2.84	Manual	1.7	0
HW30A	2.84	Auto	1.7	0

*Flow rate based on incoming water supply temperature of 13°C, hand wash at 38°C



Outer Casing
Easy clean, high impact polycarbonate/ ABS

Heating Element
Copper-sheathed coil

Water Container
Glass reinforced nylon

Controls
On/ Off:
HW30M Rotary switch
HW30A Automatic no touch operation

Temperature Selection:
HW30M and **HW30A** Rotary dial

Safety
Self re-setting thermal cut-out set at 60°C.

Manual resettable cut-out set at 90°C.

Pressure relief valve to prevent high-pressure build up.

Temperature stabilised – unit maintains consistent outlet temperature as water pressure conditions vary.

IP Rating
IPX4

Installation
The appliance must be installed in a frost free environment.

Wall mounted. Base assembly is secured to the wall by two fixing screws. Full fixing pack supplied.

Plumbing
Must be installed by a suitably qualified person.

Minimum water pressure 1 bar.
Maximum water pressure 6 bar.

Water Connection
Inlet 1 x 15mm compression.
Outlet 1 x push fit chrome plated brass spray arm 200mm (8").

ONLY USE THE FITTINGS SUPPLIED SO THAT THE UNIT IS NOT PRESSURISED.

Fittings required (not supplied): none.

Electrical Connection
Installation must comply with current IET wiring regulations.

This 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

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)*	Width (mm)	Depth (mm)*	Weight (kg) Empty
HW30M	170	240	100	1.5
HW30A	170	240	100	1.5

*Dimensions excluding spout.

Handyflow Oversink

A

Vented Point of Use
Water Heater
5 litre



p.64

Usage

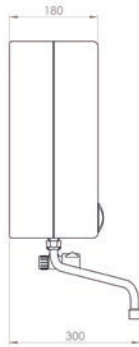
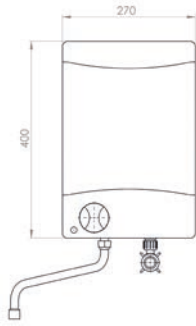
Ideal for occasional use light dish washing at a single kitchen sink in the workplace, for example portable buildings, offices, shops, workshops, garages and other small commercial premises.

Features and Benefits

- Open outlet heater to supply hot water to a single sink
- Ideal when economy and ease of installation are the key priorities
- Stylish design and slimline profile – depth only 7" (180mm)
- Comes complete with tap and chrome spout
- Thermal cut-out can be re-set rather than requiring to be replaced
- 2.0 kW element
- External temperature control with frost protection setting
- Neon element on indicator
- Wall fixing bracket included and cable pre-wired (1m) – saves time on installation
- No need for expansion vessel, relief valve or reducing valve

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
HF05LM	5	2.0	6	0.32

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

**Outer Casing**

Easy clean, high impact plastic

Heating Element

Incoloy-sheathed coil

Thermostat

Capillary type adjustable to approx. 80°C

E setting approx. 55°C

Water Tank

Polypropylene

Insulation

High density polystyrene
CFC free

Spout

Length 10" (250mm)

Safety

Open outlet non-pressurised system, supplied tap and spout must be used.

Safety re-settable thermal cut out.
Frost protection setting when power is switched on.

Heating Cycle

It is normal for the spout on this type of unit to drip slightly during the heating cycle, caused by the water expanding as it heats up.

IP Rating

IP24

Installation

Must be sited above a sink using the wall fixing bracket supplied, with the spout and tap located at the bottom of the unit.

Plumbing

Must be installed by a suitably qualified person.

Minimum water pressure 0.3 bar.
Maximum water pressure 8 bar.

Water Connection

Inlet valve/ tap 1 x 15mm compression.

Outlet 1 x chrome plated brass spray arm.

ONLY USE THE FITTINGS SUPPLIED SO THAT THE UNIT IS NOT PRESSURISED.

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 (1m).

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
HF05LM	400	270	180	3.5	8.2

Handyflow Undersink

A

Vented Point of Use
Water Heater
5 litres



p.66

Usage

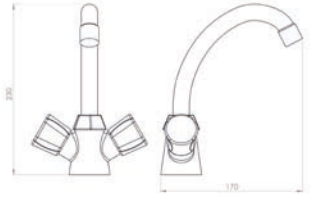
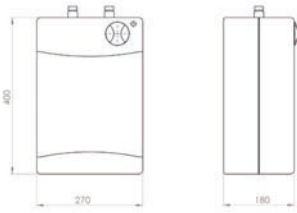
Ideal for occasional use light dish washing at a single kitchen sink in the workplace, for example portable buildings, offices, shops, workshops, garages and other small commercial premises.

Features and Benefits

- Open outlet heater to supply hot water to a single sink
- Ideal when economy and ease of installation are the key priorities
- Stylish design and slimline profile – depth only 7" (180mm)
- Can be installed in an under-sink cupboard giving less visual impact than the Handyflow Oversink
- Comes complete with vented mixer tap and hoses
- Thermal cut-out can be re-set rather than requiring to be replaced
- 2.0 kW element
- External temperature control with frost protection setting
- Neon element on indicator
- Cable pre-wired (1m) – saves time on installation
- No need for expansion vessel, relief valve or reducing valve

Product Code	Capacity (litres)	Power (kW)	Heat Up Time (mins)*	Standing Loss (kWh/day)
HF05MVC	5	2.0	6	0.32

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



Outer Casing
Easy clean, high impact plastic

Heating Element
Incoloy-sheathed coil

Thermostat
Capillary type adjustable to approx. 80°C
E setting approx. 55°C

Water Tank
Polypropylene

Insulation
High density polystyrene
CFC free

Safety
Open outlet non-pressurised system, vented mixer tap must be used.

Safety re-settable thermal cut out.
Frost protection setting when power is switched on.

Heating Cycle
It is normal for the vented tap on this type of unit to drip slightly during the heating cycle, caused by the water expanding as it heats up.

IP Rating
IP24

Installation
Must be sited below a sink, with the inlet and outlet connections at the top of the unit.

Plumbing
Must be installed by a suitably qualified person.

Minimum water pressure 0.5 bar.
Maximum water pressure 8 bar.

Water Connection
Cold water connection 1 x 15mm compression.
Outlet 1 x vented tap (supplied).
Fittings required (not supplied): none.

ONLY USE THE FITTINGS SUPPLIED SO THAT THE UNIT IS NOT PRESSURISED.

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 (1m).

Approvals
CE, UKCA

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)	
				Empty	Full
HF05VC	400	270	180	3.5	8.2

Hand Dryers and Hair Dryers

Blade

1.85 kW Automatic Hand Dryer
Energy efficient



p.70

Usage

A modern stylish design suitable for many public washroom applications including restaurants, shops and shopping centres, office buildings, pubs, motorway services, factories and supermarkets. A built in HEPA filter and UV sterilisation technology help reduce the development of bacteria making this an ideal solution for speciality markets where regulatory and compliance guidelines influence product specification. The blade is one of our most energy efficient hand dryers.

Features and Benefits

- Modern stylish design
- Intelligent ergonomic construction
- High speed giving fast drying times
- Built in HEPA filter and UV sterilisation technology reduce the development of bacteria
- Intelligent temperature control - heating element switches off when room temperature is above 25°C
- Robust design ensures durability and reliability
- Brushless motor, long life span
- Automatic double sided blades
- 1.85 kW power rating
- Option to switch heating element off to reduce power
- Choose from high (700 W) or low (600 W) air speed
- Minimum power rating 0.6 kW
- Available in white and silver
- Integral drain tank with level window
- Vandal resistant
- Blue LED dry zone indicator

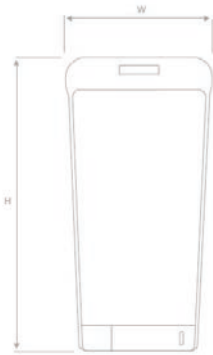


10 - 13 s

2.5 - 5.1 kWh
per 1000 dries

70 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
BLADEW	White	0.6 - 1.85	95
BLADES	Silver	0.6 - 1.85	95

**Outer Casing**

Easy clean, high impact ABS

Heating Element

1150 W - option to switch off

Motor

Min 600 W Max 700 W
DC brushless

Current

8 amps

Air Speed

95 m/s

Operation

Touch free automatic.

Safety

Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating

IPX4

Installation

Full fixing pack supplied.
Fixing template provided.

Cable entry in the lower left rear corner. Optional concealed entry if desired.

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.

Class I

Approvals

CE, UKCA

Standard Warranty

3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
BLADEW	700	300	215	9.1
BLADES	700	300	215	9.1

Ellipse

1.55 kW Automatic Hand Dryer
Energy efficient



p.72

Usage

Suitable for many public washroom applications including restaurants, shops and shopping centres, office buildings, pubs, motorway services, factories and supermarkets. The Ellipse is one of our most energy efficient hand dryers.

Features and Benefits

- Modern stylish design
- High speed giving fast drying times
- Saves energy relative to traditional hand dryers from reduced drying times
- Hygienic automatic operation reduces the risk of spreading germs
- 1.55 kW power rating
- Option to reduce power setting to 0.6 kW on installation to increase energy efficiency
- Blue LED dry zone indicator
- Dual colour LED sensor indicator (green: on, red: off)
- Durable metal vandal resistant case
- Available in white or stainless steel finish

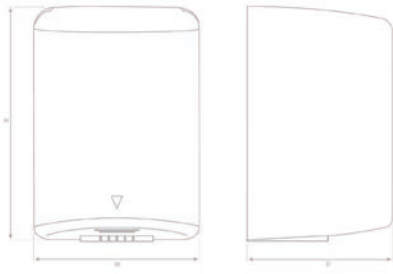


10 - 15 s

2.5 - 4.4 kWh
per 1000 dries

70 - 74 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
ELLW	White	0.6 - 1.55	75 - 100
ELLBSS	Brushed SS	0.6 - 1.55	75 - 100

**Outer Casing**

ELLW – white enamel steel

ELLBSS – brushed stainless steel

Heating Element

800 W - option to switch element off

Motor

600 – 750 W (adjustable)

Carbon Brush

12,000 – 18,000 RPM (adjustable)

Current

7 amps

Air Speed

75 – 100 m/s (adjustable)

Air Volume

87 – 116 m³/h (adjustable)

Operation

Touch free automatic.

Safety

Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating

IP23

Installation

Full fixing pack supplied.

Cable entry to the left at the base of the unit.

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.

Class I

Approvals

CE, UKCA

Standard Warranty

3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
ELLW	287	205	180	5.8
ELLBSS	287	205	180	5.8

Curve

0.9 kW Automatic Hand Dryer
Energy efficient



p.74

Usage

A modern, quiet hand dryer that offers sleek and stylish design. The Curve is an excellent option that can suit even the most demanding operational requirements. With a compact design this is the perfect option where restricted space is available. The slimline profile of just 10 cm increases the versatility of application and offers a solution where other hand dryers are not suitable.

The Curve is the most energy efficient hand dryer in our range.

Features and Benefits

- Sleek, slimline design
- High speed giving fast drying times
- Saves energy relative to traditional hand dryers from reduced drying times
- ADA compliant
- Low 0.9 kW power rating
- Option on installation to reduce power output to 0.3 kW by switching off the element and reducing the motor speed
- High quality stainless steel case
- Available in white or brushed stainless steel finish
- Vandal resistant

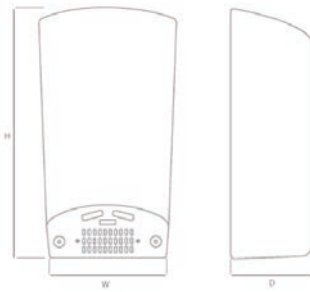


10 - 15 s

1.3 - 2.8 kWh
per 1000 dries

69 - 77 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
CURVEW	White	0.3 - 0.9	95 - 115
CURVEBSS	Brushed SS	0.3 - 0.9	95 - 115



Outer Casing
Stainless steel

Heating Element
450 W - Option to switch off

Motor
300 - 450 W (adjustable)
Carbon brush
29,000 RPM

Current
4 amps

Air Speed
95 - 115 m/s

Operation
Touch free automatic.

Safety
Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating
IP24

Installation
Full fixing pack supplied.

Cable entry in the lower right corner. Optional concealed entry if desired.

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.

Class I

Approvals
CE, UKCA

Standard Warranty
3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
CURVEW	268	152	100	3.3
CURVEBSS	268	152	100	3.3

Prism

0.9 kW Automatic Hand Dryer
Energy efficient



p.76

Usage

Suitable for many public washroom applications including restaurants, schools, shops and shopping centres, office buildings, pubs, motorway services, factories and supermarkets. A modern stylish hand dryer that will effortlessly compliment a variety of interior styles. The Prism is one of our most energy efficient hand dryers.

Features and Benefits

- Smooth lines and sleek design
- High speed giving fast drying times
- Compact stylish design
- Saves energy relative to traditional hand dryers from reduced drying times
- Low 0.9 kW power rating
- Tailor output to meet your specific needs
- Element on/off switch allows power output to be reduced to 0.65 kW
- High quality stainless steel case
- Available in white or brushed stainless steel
- Vandal resistant
- Blue LED dry zone indicator

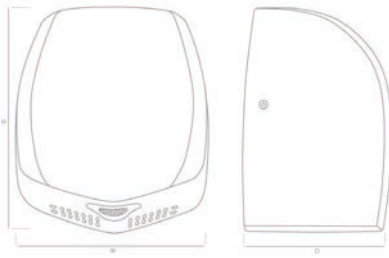


10 - 15 s

2.6 kWh
per 1000 dries

80 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
PRMW	White	0.65 - 0.9	89
PRMBSS	Brushed SS	0.65 - 0.9	89



Outer Casing
Stainless steel

Heating Element
250 W - option to switch off

Motor
650 W

Current
4 amps

Air Speed
89 m/s

Air Volume
105 m³/h

Operation
Touch free automatic.

Safety
Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating
IP22

Installation
Full fixing pack supplied.

Cable entry in the lower left rear corner.

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 (1m).

Class I

Approvals
CE, UKCA

Standard Warranty
3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
PRMW	300	250	169	3.4
PRMBSS	300	250	169	3.4

Arc

1.25 kW Automatic Hand Dryer
Energy efficient



p.78

Usage

The Arc hand dryer seamlessly combines style and functionality. Where you require excellent all round value, versatile application and high performance, this is the ideal solution for you. The quick dry time and low sound level ensures high performance quality is combined with compact, durable design specification. Suitable for many public washroom applications including restaurants, shops and shopping centres, office buildings, pubs, motorway services, factories and supermarkets.

Features and Benefits

- Modern, intelligent, hygienic design
- Exceptional value for money
- High speed gives fast drying times
- Saves energy relative to traditional hand dryers from reduced drying times
- Integral air filter
- UV sterilisation technology
- Low 1.25 kW power rating
- Intelligent temperature control - heating element switches off when room temperature is above 25°C reducing power consumption to 0.55 kW
- High quality stainless steel case
- Available in white or brushed stainless steel
- Vandal resistant
- Blue LED dry zone indicator

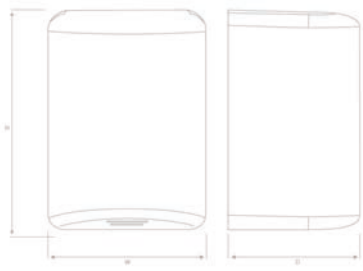


15 - 20 s

5.2 - 6.9 kWh
per 1000 dries

73 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
ARCW	White	1.25	60
ARCBSS	Brushed SS	1.25	60



Outer Casing
Stainless steel

Heating Element
700 W

Motor
550 W
Carbon brush

Current
5 amps

Air Speed
60 m/s

Operation
Touch free automatic.

Safety
Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating
IPX1

Installation
Full fixing pack supplied.

Cable entry in the lower left corner. Optional concealed entry if desired.

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.

Class I

Approvals
CE, UKCA

Standard Warranty
3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
ARCW	255	173	150	3.2
ARCBSS	255	173	150	3.2

Contour

1.5 kW Automatic Hand Dryer
Traditional



p.80

Usage

Where project specification requires a more traditional, low speed hand dryer the Contour offers a stylish, unassuming solution that is versatile in its application. This is the ideal cost-effective option where budget is restricted. Despite being an economical choice this hand dryer maintains performance quality and aesthetic appeal. The compact, ergonomic design with curved lines gives a contemporary look whilst the robust, durable design specification supports product reliability. Suitable for a wide number of applications including offices, restaurants and shops.

Features and Benefits

- Compact stylish design
- Traditional high powered hand dryer
- Low air speed
- Hygienic automatic operation reduces the risk of spreading germs
- White finish
- Strong, durable ABS cover
- 1.5 kW power rating

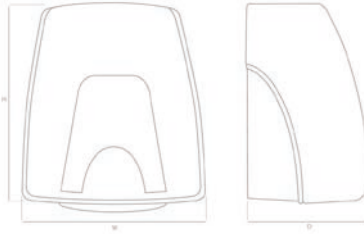


25 s

10.4 kWh
per 1000 dries

76 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
CTRW	White	1.5	15

**Outer Casing**

Durable ABS cover

Heating Element

1430 W

Motor

70 W

Carbon brush

Current

6.5 amps

Air Speed

15 m/s

Air Volume88 m³/h**Operation**

Touch free automatic.

Safety

Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating

IP22

Installation

Full fixing pack supplied.

Cable entry bottom right at the base of the unit.

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 (1m).

Class II

Approvals

CE, UKCA

Standard Warranty

3 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
CTRW	253	198	145	1.7

Cyclone

1.6 kW Automatic Hand Dryer
Traditional



p.82

Usage

The Cyclone is a popular choice for projects requiring basic effectiveness and reliable performance, making it suitable for a range of applications. Where specification is for a challenging environment which is sensitive to high air speeds, heat level and noise disruption this hand dryer is an ideal solution. This will avoid the necessity to consider a less hygienic option such as paper towels. Suitable for a wide number of applications including schools, offices, restaurants and shops.

Features and Benefits

- Traditional style
- Low air speed makes the hand dryer suitable for young school children
- Metal case
- Stylish design in ivory white
- 1.6 kW power rating
- Vandal resistant

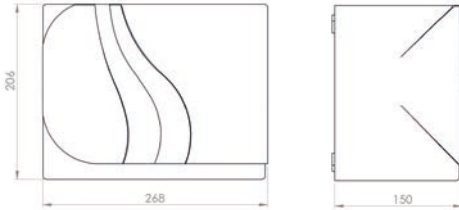


30 s

13.3 kWh
per 1000 dries

73 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
HD1600	Ivory white	1.6	12



Outer Casing
White metal case

Heating Element
1500 W

Motor
100 W
Carbon brush
2850 RPM

Current
7 amps

Air Speed
12 m/s

Air Volume
181 m³/h

Operation
Touch free automatic.

Safety
Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating
IPX1

Installation
Full fixing pack supplied.
Cable entry bottom right
at the base of the unit.

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 (1m).

Class I

Approvals
CE, UKCA

Standard Warranty
3 year parts or replacement
warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
HD1600	206	268	150	3.5

Hurricane

1.8 kW Automatic Hand Dryer
Traditional



p.84

Usage

The Hurricane is a traditional hand dryer that combines reliable performance quality with durable construction. A stylish curved design makes this an ideal solution across a variety of applications. Suitable for a wide number of applications including schools, offices, restaurants and shops.

Features and Benefits

- Traditional style
- Low air speed makes the hand dryer suitable for young school children
- Metal case
- Stylish design in ivory white
- Hygienic automatic operation reduces the risk of spreading germs
- 1.8 kW power rating
- Vandal resistant

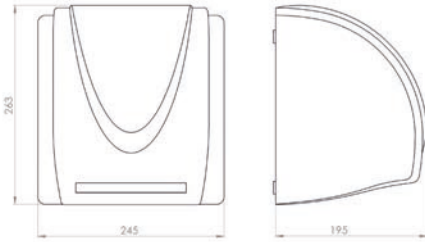


25 s

12.5 kWh
per 1000 dries

73 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
HD1800	Ivory white	1.8	18

**Outer Casing**

Die cast aluminium
Enamel coated

Heating Element

1600 W

Motor

200 W
Carbon brush
5600 RPM

Current

8 amps

Air Speed

18 m/s

Air Volume

147 m³/h

Operation

Touch free automatic.

Safety

Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating

IPX1

Installation

Full fixing pack supplied.
Cable entry bottom right
at the base of the unit.

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 (1m).

Class I

Approvals

CE, UKCA

Standard Warranty

3 year parts or replacement
warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
HD1800	263	245	195	3.4

Tornado

2.5 kW Automatic Hand Dryer
Traditional, hand and face



p.86

Usage

Suitable for many public washroom applications including restaurants, shops and shopping centres, office buildings, pubs, motorway services, factories and supermarkets.

Features and Benefits

- Traditional high powered hand dryer
- Hygienic automatic operation reduces the risk of spreading germs
- Easy clean stainless steel case
- Available in white and brushed stainless steel
- Vandal resistant
- Classic look
- Well suited to high traffic situations
- The chrome nozzle can be rotated for hand and face drying

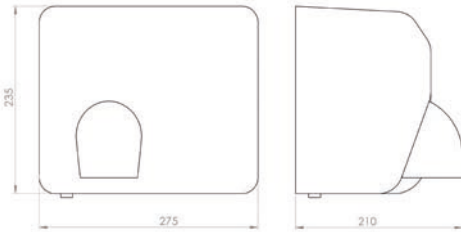


20 s

17.4 kWh
per 1000 dries

75 dB

Product Code	Finish	Power (kW)	Air Speed (m/s)
TOR25W	White	2.5	30
TOR25BSS	Brushed SS	2.5	30



Outer Casing
Stainless steel

Heating Element
2200 W

Motor
300 W
Carbon brush
7,500 RPM

Current
10 amps

Air Speed
30 m/s

Operation
Touch free automatic.

Safety
Overheat temperature protection.

Safety timer prevents continuous running.

IP Rating
IPX1

Installation
Full fixing pack supplied.
Cable entry bottom left
at the base of the unit.

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.

Class I

Approvals
CE, UKCA

Standard Warranty
3 year parts or replacement
warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TOR25W	235	275	210	5.7
TOR25BSS	235	275	210	5.7

Topaz

1.5 kW Digital Hair Dryer



p.88

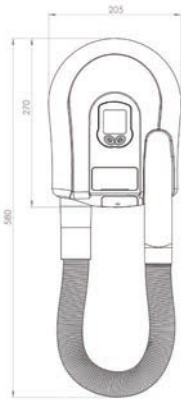
Usage

Designed for hotels and similar light commercial applications. Not suitable for heavy usage applications such as public swimming baths and sports facilities.

Features and Benefits

- Automatic hair dryer switches on when the handgrip is removed from the holder
- Ideal for hotel room en-suites where vandalism is unlikely
- 5 selectable heat settings, 60°C default air temperature
- Constant temperature between 40°C and 80°C
- LCD display screen
- Extendable hose (up to 1.5m)
- Incorporates shaver socket
- IP24 splashproof
- Wall mounted

Product Code	Finish	Power (kW)	Heat Settings	Air Volume (m ³ /h)
HD15015	White	1.5	5	87



Outer Casing

White ABS

Operation

The hair dryer will start automatically when the nozzle is removed from the base and stop when it is replaced.

Controls

Temperature display (°C) with default setting 60°C.

+/- controls allow the user to change the temperature.

Unit automatically shuts off if left unattended.

Current

6.5 amps

Air Speed

17 m/s

Safety

Overheat temperature protection.

Safety timer prevents continuous running (18 minutes).

IP Rating

IP24

Installation

Supplied with fixing brackets which must be used.

Cable pre-wired (1.25m), entry in the middle of the base of the unit.

Site according to the IP rating.

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

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
Excluding Hose	270	205	110	2.3
Including Hose	580	205	110	2.3

Opal

1.4 kW Holster Style Hair Dryer



p.90

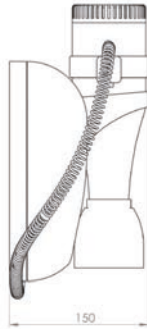
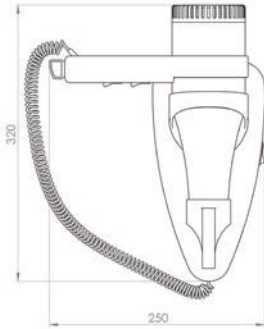
Usage

Designed for hotels and similar light commercial applications. Not suitable for heavy usage applications such as public swimming baths and sports facilities.

Features and Benefits

- Automatic hair dryer
- Ideal for hotel rooms where vandalism is unlikely
- Spring loaded start switch protects the dryer from unintended operation
- 3 power settings, 0.5, 1.0 and 1.4 kW
- Extendable lead (up to 1.4m)
- Wall mounted

Product Code	Finish	Power (kW)	Heat Settings	Air Volume (m ³ /h)
HD190I	White	1.4	1	96



Outer Casing
White ABS

Sound Level
60 dB

Safety
Overheat temperature protection.

Spring loaded start switch prevents unintended operation.

IP Rating
IPX0

Installation
Supplied with fixing brackets which must be used.
Cable pre-wired (0.6m), entry in the middle of the base of the unit.

Site according to the IP rating.

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

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
HD190I	320	250	150	2.3

Avignon

Electric Radiator

0.6, 0.9, 1.5 and 1.8 kW



p.94

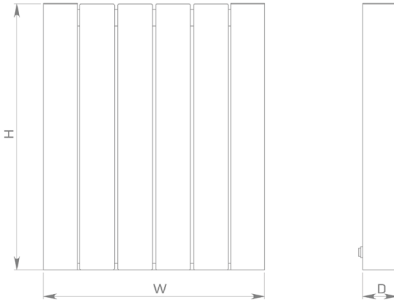
Usage

A stylish, modern fixed heating solution that is suitable for application in both home and office environments and features a slimline, curved design.

Features and Benefits

- Slimline, modern, curved design
- Available in 0.6, 0.9, 1.5 and 1.8 kW
- Ecodesign compliant
- High precision digital thermostat accurate to the nearest degree
- 24/7 LCD timer
- 2 user set temperature settings: peak for whilst the room is occupied and off peak (typically night or frost protection)
- Adjustable temperature range 10 - 35°C
- Open window detection to reduce energy wastage
- Ceramic heating element and dry thermal technology
- Radiant and convection heat
- Choose from pre-set schedules or create your own to meet specific lifestyle requirements
- Thermal safety protection
- Frost protection function set at 7°C
- Wall mounted - secure bracket included
- Integrated child lock
- White finish

Product Code	Power (kW)	Timer	Current (amps)	Number of Fins
AVG600T	0.6	Yes	2.6	4
AVG900T	0.9	Yes	4.4	5
AVG1500T	1.5	Yes	6.5	9
AVG1800T	1.8	Yes	8.7	10

**Outer Casing**

Die cast aluminium

Fins

Die cast aluminium

Controls

Digital LCD display, controls and screen.

Safety

Overheat temperature protection.

IP Rating

IP20

Installation

Wall mounting kit included and must be used.

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 (1.4m), grey cable, entry to the bottom right of the unit.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AVG600T	575	480	80	8.5
AVG900T	575	560	80	10
AVG1500T	575	880	80	15.5
AVG1800T	575	960	80	19

Ariano

Timer Panel Heater
Black Glass Front
1.0 and 2.0 kW



p.96

Usage

Suitable for a wide range of fixed installation heating applications in the home and office environment.

Features and Benefits

- Stylish flat glass fronted panel heater
- Statement black glass with curved corners
- Ecodesign compliant
- Available in 1.0 and 2.0 kW models
- 24/7 LED electronic timer
- Manual or timer operation setting
- Timer configurable in 1 hour slots
- Temperature range 5 - 30°C
- Open window detection to reduce energy wastage
- Power on display
- Element on indicator
- Full or half power setting
- Frost protection setting at 5°C
- Easy to use control panel with remote control
- IP24 splash-proof
- Integrated child lock
- Wall mounted - secure bracket included
- Slimline - depth only 105mm

Product Code	Power (kW)	Timer	Current (amps)
AR1000T	1.0	Yes	4.3
AR2000T	2.0	Yes	9.0

**Outer Casing**

Tempered glass front, powder coated steel case.

Element

Aluminium x-shape heating element

Controls

LED display, touch screen and remote control.

Safety

Overheat temperature protection.

IP Rating

IP24

Installation

Wall mounting points intergrated in product case.

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 (1.8m), black cable, bottom right of the unit.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth* (mm)	Weight (kg)
AR1000T	450	515	105	5.5
AR2000T	450	835	105	8.4

*Depth includes bracket

Accona

Timer Panel Heater

0.5, 1.0, 1.5, 2.0 and 2.4 kW



p.98

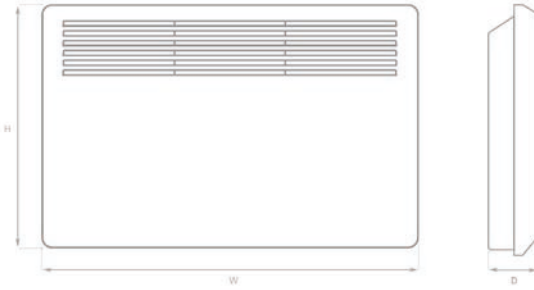
Usage

Ideal for a wide range of fixed installation heating applications in the home and office environment.

Features and Benefits

- Stylish curved slimline design
- Ecodesign compliant
- Available in 0.5, 1.0, 1.5, 2.0 and 2.4 kW models
- 24/7 LED electronic timer
- Manual or timer operation setting
- Timer configurable in 1 hour slots
- Temperature range 5 - 30°C
- Open window detection to reduce energy wastage
- Power on display
- Element on indicator
- Full or half power setting
- Frost protection setting at 5°C
- Easy to use control panel
- IP24 splash-proof
- Integrated child lock
- Wall mounted - secure bracket included
- Slimline - depth only 90mm
- White finish

Product Code	Power (kW)	Timer	Current (amps)
AC500T	0.5	Yes	2.2
AC1000T	1.0	Yes	4.3
AC1500T	1.5	Yes	6.5
AC2000T	2.0	Yes	9.0
AC2400T	2.4	Yes	10.4

**Outer Casing**

Powder coated steel

Element

Aluminium x-shape heating element

Controls

Digital controls and screen

Louvres

0.5 and 1.0 kW have two columns of louvres

1.5 kW has three columns of louvres

2.0 kW and 2.4 kW has four columns of louvres

Safety

Overheat temperature protection.

IP Rating

IP24

Installation

Wall mounting kit included and must be used.

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 (1.8m), white cable, entry to the top right of the unit.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AC500T	400	460	90	3.4
AC1000T	400	460	90	3.4
AC1500T	400	595	90	4.7
AC2000T	400	830	90	5.7
AC2400T	400	950	90	7.4

Aquilo LST

Ladder Style Towel Rail

Curved

Low surface temperature (LST)

40, 80 and 90 W



P.100

Usage

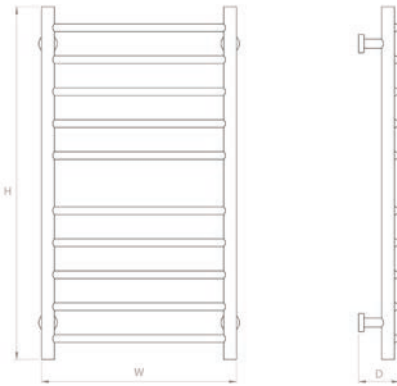
For use in bathrooms to provide dry warm towels.

Low surface temperature electric towel rails are ideal for applications where safety is paramount such as schools, hospitals, retirement homes and student accommodation.

Features and Benefits

- Stylish and modern curved ladder design
- Low surface temperature of below 43°C
- Low power rating reduces energy consumption
- High quality stainless steel
- Easy to clean finish
- Lightweight and easy to install
- Slimline profile
- Rapid heat up
- Robust mounting brackets included

Product Code	Power (W)	Timer	Current (amps)
AQ40LC	40	No	0.2
AQ80LC	80	No	0.4
AQ90LC	90	No	0.4

**Outer Casing**

Stainless steel, high polish

Controls

None

Safety

Overheat temperature protection.

IP Rating

IPX4

Installation

Wall mounting kit included and must be used.

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), white cable entry to the bottom right of the towel rail.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AQ40LC	720	400	120	2.4
AQ80LC	860	530	130	2.9
AQ90LC	1020	600	140	4

Aquilo

Ladder Style Towel Rail
Curved
100 W



p.102

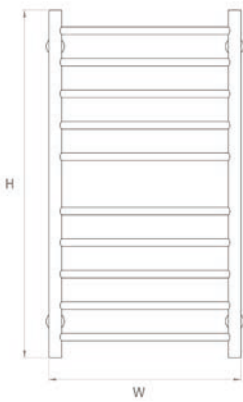
Usage

Electric towel rail for use in bathrooms to provide dry warm towels.

Features and Benefits

- Stylish and modern curved ladder design
- High quality stainless steel construction
- Easy to clean finish
- Rapid heat up
- Robust mounting brackets included
- Lightweight and easy to install
- Slimline profile

Product Code	Power (W)	Timer	Current (amps)
AQ100LC	100	No	0.4



Outer Casing
Stainless steel

Controls
None

Safety
Overheat temperature protection.

IP Rating
IPX4

Installation
Wall mounting kit included and must be used.

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), white cable entry to the bottom right of the towel rail.

Class I

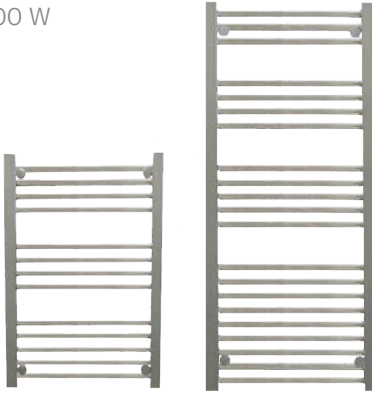
Approvals
CE, UKCA

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AQ100LC	860	530	110	2.9

Aquilo

Ladder Style Towel Rail
Straight
250 and 400 W



p.104

Usage

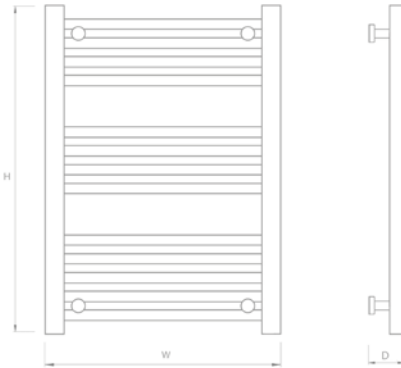
A stylish and modern straight, ladder style electric towel rail in high quality chrome finish. The contemporary, slimline profile will compliment a variety of bathroom applications and is a robust, durable choice.

For use in bathrooms to provide warm dry towels.

Features and Benefits

- Stylish and modern straight ladder design
- High quality chrome finish
- Slimline straight profile
- Electric liquid filled
- 250 W rail has 13 bars
- 400 W rail has 21 bars
- Easy to install
- Robust brackets and fixings supplied
- Reversible cable entry - can be on the left or right
- Adjustable depth fixings from 93mm - 108mm
- Easy to clean finish

Product Code	Power (W)	Timer	Current (amps)
AQ250LS	250	No	1.2
AQ400LS	400	No	2

**Outer Casing**

High polish chrome finish

Controls

None

Safety

Overheat temperature protection.

IP Rating

IP24

Installation

Wall mounting kit included and must be used. Unit can be installed so that the cable entry is on the left or right. Cable enters base of vertical bar.

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), white cable.

Class I

Approvals

CE, UKCA

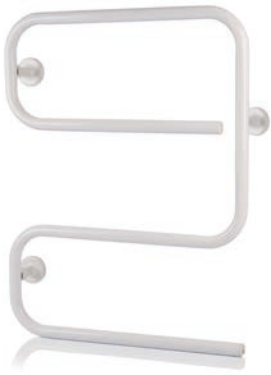
Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AQ250LS	700	500	93 - 108	8.5
AQ400LS	1100	500	93 - 108	13.5

Alize

S Shaped Towel Rail 50 and 80 W



p.106

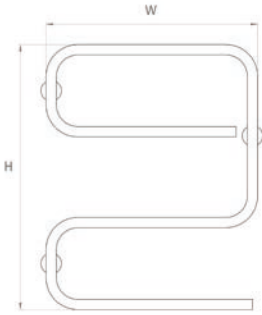
Usage

An electric towel rail for use in bathrooms to provide dry warm towels.

Features and Benefits

- Traditional s shaped design
- Available in 50 W (chrome) and 80 W (white)
- Rapid heat up
- Robust mounting brackets included
- Lightweight and easy to install

Product Code	Power (W)	Finish	Current (amps)
AL80SW	80	White	0.3
AL50SC	50	Chrome	0.2



Outer Casing

AL80SW – white enamel coated steel

AL50SC – chrome plated steel

Controls

None

Safety

Overheat temperature protection.

IP Rating

IPX4

Installation

Wall mounting kit included and must be used.

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), white cable entry to the bottom right of the towel rail.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
AL80SW	645	500	110	1.6
AL50SC	645	500	110	1.6

Maestro

Air Curtain
3.0 kW



p.108

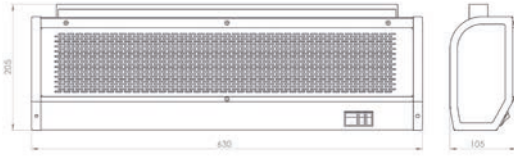
Usage

Over door fan heater designed for installation above doorways to reduce heat loss from buildings such as shops, restaurants and offices.

Features and Benefits

- Stylish design over door fan heater
- 3 power settings, 1.5, 3.0 kW and fan only option
- Easy to install, with a robust fast fitting wall bracket
- Cable pre-wired
- Wall or ceiling mounted
- Neon power on indicator

Product Code	Power (kW)	Timer	Current (amps)
MAC3X	3.0	No	13

**Outer Casing**

Powder coated steel

Controls

Power/fan on/off switch.
Two temperature setting switches.

Airflow

254 m³/h

Sound Level

60 dB

Safety

Overheat temperature protection.

IP Rating

IPX0

Installation

Wall mounting kit included for wall or ceiling mounting.

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), entry to the back of the unit located centrally.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
MAC3X	205	630	105	5.2

Alto

Occasional Use Drying Room Circulator

Pull cord, step down thermostat

2.0 kW



p.110

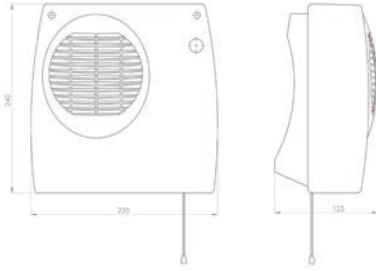
Usage

Occasional use drying room circulator

Features and Benefits

- Pull cord operation
- Element on neon indicator
- Wall mounted
- 2 power settings, 1.0 and 2.0 kW – set at installation
- In 2.0 kW mode thermostat reduces output to 1.0 kW when the room is warm and steps back up to 2.0 kW when required
- Internal thermostat – set at installation
- Minimum installation height 1.8m from the floor
- Not suitable for kitchen or bathroom use

Product Code	Power (kW)	Timer	Current (amps)
ALTO	2.0	No	9



Outer Casing

ABS

Controls

Pull cord on/off operation.
Neon indicator to show when in operation.
Power level selection and thermostat under the main cover.

Safety

Overheat temperature protection.

IP Rating

IP21

Installation

Wall mounting kit included and must be used.

The unit has to be fitted at least 1.8m from the floor.

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 (0.9m), white cable, entry to the bottom right of the unit.

Class II

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
ALTO	240	235	125	1.4

Scirocco

Convactor Heater

2.0 kW



p.112

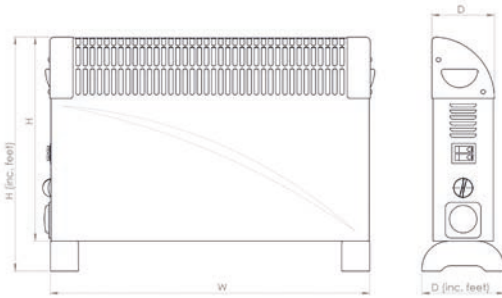
Usage

Portable heater for a wide range of applications in the home and office environment.

Features and Benefits

- Floor standing
- Timer version includes a 24 hour segment timer
- Neon element on indicator
- Thermostat
- 3 power settings, 0.75, 1.25 and 2.0 kW
- Timer and non timer models available
- Near silent operation
- **This product is only suitable for well insulated spaces or occasional use**

Product Code	Power (kW)	Timer	Current (amps)
SC2000YM	2.0	No	9
SC2000YMT	2.0	Yes	9



Outer Casing

Metal

Controls

All models:
Adjustable thermostat and on/off switch.
Power setting switches.

Timer model only:

24 hour segment timer,
15 minute interval time slots.
Switch to select on all the time or timed operation.
Push segments out for the time interval heater is to be timed on.
Push segments in for the time interval heater is to be timed off.

Safety

Overheat temperature protection.

IP Rating

IPX0

Installation

Feet included for floor standing.

Electrical Connection

Cable pre-wired (1.5m), white cable entry to the bottom left of the unit with a BS plug.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
SC2000YM	335	530	110	3
SC2000YMT	370	580	110	3

*Dimensions excluding feet. Including feet add 50mm to height and 90mm to depth.

Fiji

Fan Heater
2.0 kW



p.114

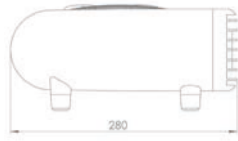
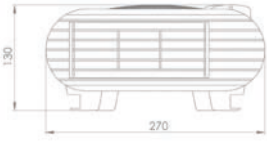
Usage

Portable heater for home and office use.

Features and Benefits

- Thermostatically controlled portable fan heater
- Stylish letterbox design
- 2.0 kW output
- 3 power settings, 1.0 kW, 2.0 kW and fan only
- Neon element on indicator
- Overheat protection
- **This product is only suitable for well insulated spaces or occasional use**

Product Code	Power (kW)	Timer	Current (amps)
FH-201Z	2.0	No	9



Outer Casing

Durable easy clean ABS

Controls

Function switch including off, cool blow, half heat and full heat output.

Thermostat dial.

Safety

Overheat temperature protection.

IP Rating

IP20

Electrical Connection

Supplied with a pre-wired (1.35m) white flex BS plug, cable entry to the back centre of the heater.

Class II

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
FH-201Z	130	270	280	1.4

Riviera

Oil Filled Radiator 0.7, 1.5 and 2.0 kW



0.7 kW model



1.5 and 2.0 kW model

p.116

Usage

Portable heater for home and office use.

Features and Benefits

- Oil filled radiator providing a silent gentle heating solution
- Neon element on indicator
- Moulded handle
- **This product is only suitable for well insulated spaces or occasional use**

0.7 kW model

- 1 power setting 700 W, adjustable thermostatic control
- 7 fins
- Floor standing on stationary feet

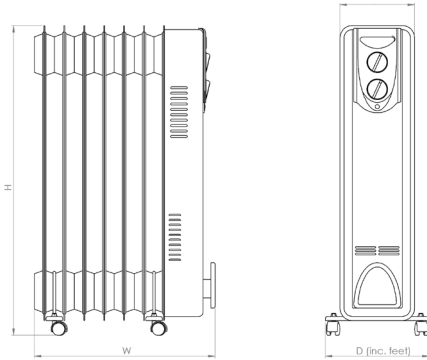
1.5 kW model

- 3 power settings (600, 900 and 1500 W) adjustable thermostatic control
- 7 fins
- Floor standing with smooth rolling castors, easy movement
- Tip over protection
- Cord cable storage

2.0 kW model

- 3 power settings (800, 1200 and 2000 W) adjustable thermostatic control
- 24 hour segment timer
- 9 fins
- Floor standing with smooth rolling castors, easy movement
- Tip over protection
- Cord cable storage

Product Code	Power (kW)	Timer	Current (amps)
RAD07Y	0.7	No	3
RAD15Y	1.5	No	6.5
RAD20TY	2.0	Yes	9



*Line diagram for 1.5 and 2.0 kW models only.

Outer Casing

Metal

Controls

Thermostat dial.

2.0 kW model only:

24 hour segment timer with 15 minute interval time slots. Switch to select on all the time or timed operation. Push segments out for the time interval heater is to be timed on. Push segments in for the time interval heater is to be timed off.

Safety

Overheat temperature protection.

IP Rating

IPX0

Electrical Connection

Supplied with a pre-wired (1.9m) black flex BS plug, cable entry to the right of the heater.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

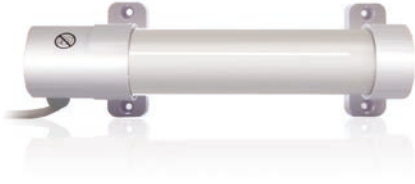
Product Code	Height (mm)	Width (mm)	Depth (mm)*	Weight (kg)
RAD07Y	380	310	100	3.6
RAD15Y	690	385	160	9.8
RAD20TY	690	465	160	11.8

*Depth excluding feet, including feet 240mm for 1.5 and 2.0 kW versions and 140mm for 0.7 kW version.

Sahara

Tubular Heater

1, 2, 3 and 4ft



p.118

Usage

Ideal for heating a small space or area that needs to be protected from frost, tubular heaters can be used in a number of settings such as green houses, conservatories, workshops and caravans for frost protection.

Features and Benefits

- Energy efficient heater providing frost protection
- Helps reduce condensation and damp
- IP55 waterproof
- Robust end fixing brackets (no flimsy plastic clips)
- Available in 1, 2, 3 and 4ft
- Guards are available for all sizes
- Quick and easy installation
- Easy to use
- Internal thermostat

Product Code	Size (ft)	Power (W)	Current (amps)
TH01B	1	45	0.2
TH02B	2	80	0.4
TH03B	3	135	0.6
TH04B	4	180	0.8

**Outer Casing**

White coated steel tube, white plastic end caps and brackets.

Controls

None

Safety

Overheat temperature protection.

IP Rating

IP55

Installation

Wall or floor mounting kit included and must be used.

Electrical Connection

Supplied with a pre-wired (1.3m) white cable BS plug, cable entry to the left of the unit.

Class I

Approvals

CE, UKCA

Standard Warranty

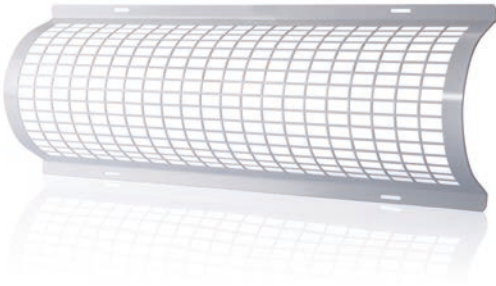
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
TH01B	55	305	55	1
TH02B	55	610	55	1.5
TH03B	55	915	55	2
TH04B	55	1222	55	2.5

Sahara

Tubular Heater Guard

1, 2, 3 and 4ft



p.120

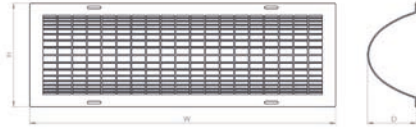
Usage

Ideal for protecting tubular heaters which can get very hot to touch. Guards should be used to protect people or objects coming into contact with the hot surfaces.

Features and Benefits

- Stylish curved design
- Available in 1, 2, 3 and 4ft
- Strong, robust and rigid
- Quick and easy installation

Product Code	Size (ft)
THG01	1
THG02	2
THG03	3
THG04	4



Installation
Easy to install.

Outer Casing
Powder coated pressed steel

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
THG01	220	305	100	0.6
THG02	220	610	100	0.9
THG03	220	915	100	1.3
THG04	220	1222	100	1.8

Mojave

Frost Protector
500 W



p.122

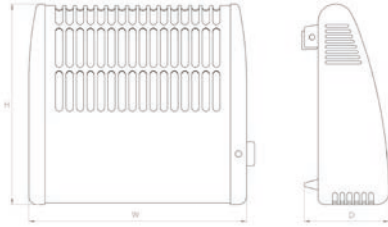
Usage

Ideal for providing frost protection.

Features and Benefits

- Compact low-powered
- Wall mounted – bracket included
- Simple and easy to use, with a single control
- Neon power on indicator
- Thermostat

Product Code	Power (kW)	Timer	Current (amps)
FW500Z	0.5	No	2.15

**Outer Casing**

Metal with plastic end caps

Controls

Adjustable, on/off thermostat

Safety

Overheat temperature protection

IP Rating

IPX0

Installation

Wall mounting kit included and must be used.

Electrical Connection

Supplied with a pre-wired (1.5m) white cable BS plug, cable entry to the top right.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
FW500Z	247	275	105	0.4

Inca

Frost Protector
200 W



p.124

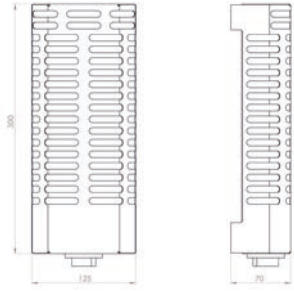
Usage

Provides low levels of heating for an area needing to be protected from frost, such as changing rooms, caravans, cloakrooms, workshops and conservatories.

Features and Benefits

- Small and compact
– space saving vertical design
- Heavy duty steel element
- Thermostat
- Strong and durable
- To be used as a supplementary heat source

Product Code	Power (kW)	Timer	Current (amps)
CH-200	0.2	No	0.9

**Outer Casing**

Powder coated steel with integral pressed steel guard.

Controls

Variable thermostat control knob.

Safety

Overheat temperature protection.

IP Rating

IPX4

Installation

Wall mounting kit included and must be used.

Electrical Connection

Supplied with a pre-wired (1.5m) white cable BS plug, cable entry to the bottom right of the heater.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
CH-200	300	125	70	0.4

Vicenza

No Glare Infrared Radiant Heater

1.2 and 2.4 kW



p.126

Usage

Suitable for a number of applications such as church halls, sports centres, conservatories, hospitality environments, warehouses and similar difficult to heat situations where convection heating would not be practical. This product is suitable for outdoor heating when under a canopy. No glare infrared heaters are ideal for environments where bright light is undesirable and aesthetics are important.

Features and Benefits

- Stylish slimline black design
- Allows heating of targeted areas
- Available in 1.2 and 2.4 kW models
- Ecodesign compliant
- Overheat safety feature
- No glare
- Suitable for wall or ceiling mounting
- Easy to use remote control
- 24 hour timer
- Open window detection
- Adjustable temperature range 5 - 45°C

Product Code	Power (kW)	Current (amps)
VC1200T	1.2	6
VC2400T	2.4	12

**Outer Casing**

Aluminium main body and steel end caps

Controls

LED display and remote control.

IP Rating

IP44

Installation

Wall or ceiling mounted 1.8m from the floor and 0.2m from the wall.

Electrical Connection

Supplied pre-wired (1.5m) with cable entry to the right of the unit and BS plug.

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
VC1200T	150	920	63	4
VC2400T	150	1510	63	8

Sun Prince Quartz

Halogen Infrared Heater

Chrome chassis

1.0, 1.5, 2.0, 3.0, 4.0 and 4.5 kW



p.128

Usage

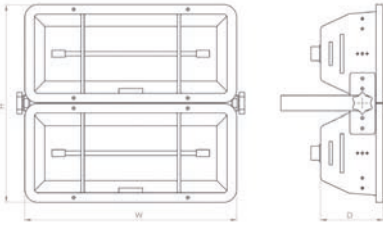
For use in unenclosed spaces.

Features and Benefits

- Allows heating of targeted areas
- Quartz halogen lamps operate at a very high temperature, converting almost all the electrical energy into short wavelength infrared radiation
- Stylish and robust construction
- Silent operation
- Heaters are single, double or triple chassis depending on number of lamps included (see table below)
- Lamps made from high temperature resistant quartz glass and last an average of 7000 hours
- Gold and ruby lamps available
- Instantaneous cost effective heating
- Wall mounted – secure bracket included
- Lamps must not be handled with bare hands

Product Code	Power (kW)	Lamp Colour*	Lamp Qty x Code
SP1000HLG	1.0	Gold	1 x L1000CGL
SP1500HL	1.5	Ruby	1 x L1500CL
SP2000HLG	2.0	Gold	1 x L2000CGL
SP3000HL	3.0	Ruby	2 x L1500CL
SP4000HLG	4.0	Gold	2 x L2000CGL
SP4500HL	4.5	Ruby	3 x L1500CL

*Gold lamps are available for SP1500H, SP3000H and SP4500H at an extra cost

**Outer Casing**

Grey powder coated steel chassis, chrome plated safety guard.

IP Rating

IPX0

Installation

Wall mounting kit included and must be used.

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.

Optional PIR or push button controller available

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty (excluding lamps).

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
SP1000HLG	198	474	141	3.1
SP1500HL	198	474	141	3.1
SP2000HLG	198	474	141	3.1
SP3000HL	398	474	141	5.4
SP4000HLG	398	474	141	5.4
SP4500HL	598	474	141	7.6

Quartz Infrared Controller

Soft Start
3.0 kW



p.130

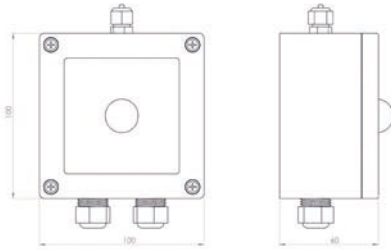
Usage

Soft start heating controllers are designed to work alongside all makes of quartz halogen infrared heater.

Features and Benefits

- Save energy by ensuring that halogen heaters are only on when you need them to be
- Can control up to 3.0 kW of quartz heating load
- Protect switchgear from high inrush currents when the lamps are first switched on from cold
- PIR or Push button models available
- Weatherproof for outdoor use
- Run time adjustment from 1 – 99 minutes
- Temperature adjustment – the unit will not operate if ambient temperature above threshold
- Easy to install
- Push Button model – once activated will remain on for pre-set time or can be turned off by pushing the button
- PIR model – automatically activated by motion from up to 5m and will remain on for the pre-set time, continuous movement will reset the timer

Product Code	Power (kW)	Operating Temp (°C)	Current (amps)
QZC-PB3	Up to 3.0 kW	2 to 60	6
QZC-PIR3	Up to 3.0 kW	2 to 60	6



Outer Casing
ABS

Switching Capacity
3.0 kW maximum
13 amps

**Current Consumption
(control circuit)**
2.0 W (10mA max)

Lamp On-Time
1 – 99 minutes

Gland Diameter
20mm

IP Rating
IP65

Installation
Wall mounting kit included and must be used.

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.

Class I

Approvals
CE, UKCA

Standard Warranty
1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
QZC-PB3	100	100	60	0.5
QZC-PIR3	100	100	60	0.5

Sun King Quartz

Outdoor Halogen Infrared Heater
1.5 kW



p.132

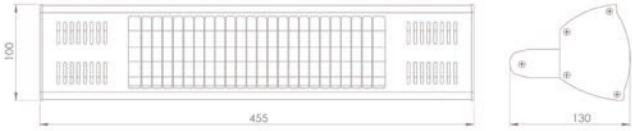
Usage

Ideal for heating outdoor domestic and commercial applications, such as patios, beer gardens and smoking areas.

Features and Benefits

- Allows heating of targeted areas
- Quartz halogen lamps operate at a very high temperature, converting almost all the electrical energy into short wavelength infrared radiation
- Stylish, lightweight aluminium construction
- Silent operation
- Lamps made from high temperature resistant quartz glass and last an average of 7000 hours
- Gold lamp
- Weatherproof for outdoor use
- Side reflectors for added heat output and efficiency
- Instantaneous cost effective heating
- Wall mounted – secure bracket included
- Lamps must not be handled with bare hands

Product Code	Power (kW)	Lamp Colour	Lamp Qty x Code
SK1500	1.5	Gold	1 x L1500B



Outer Casing

Aluminium chassis and grille.

Controls

Optional soft start controllers are available.

IP Rating

IP55

Installation

Wall mounting kit included and must be used.

Mount 2.0m from the floor and 1.5m from the side of the wall.

See instructions for the angling guidelines.

Electrical Connection

Supplied with a pre-wired (1.8m) BS plug, cable entry is central to the back plate of the unit.

Class I

Approvals

CE, UKCA

Standard Warranty

1 year parts or replacement warranty.

Product Code	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
SK1500	100	455	130	1



Stockists

Hyco products are available nationally through most electrical wholesalers and plumbers merchants. Contact our sales team for details of your nearest stockist.

Warranty

Warranty details for each product are provided on the relevant product page.

Most Hyco products are covered by a standard 1 year parts or replacement warranty. Our Zen boiling and chilled tap range benefits from a 2 year parts or replacement warranty. Our hand dryer range has a 3 year parts or replacement warranty.

If there is a manufacturing defect we will send spare parts or collect, repair and return the unit or at our discretion we may supply a replacement product.

Our Omega and Microboil boiling water units come with a 1 year on-site warranty as standard. A 3 year on-site warranty is available on request at additional cost. We will arrange for a service engineer to rectify any manufacturing defect.

For our water heating and boiling water products scale and frost damage are not covered by warranty.

We will be happy to quote on any product for other warranty options including on-site and greater than 1 year – where required these must be taken out at time of purchase.

Full details of our guarantee policy can be found on our website.

Contact Us

If you or your customer are unfortunate enough to experience a problem you should first contact our service department on **01924 225 200** before taking any further action.

Experience has shown that issues can often be resolved without the need to return or un-install the product.

Spare Parts

Spare parts are available through our stockists. For help or advice on spare parts please contact our customer services team.

Product Specification

We aim to ensure that all the information in this catalogue is accurate at the date of publication. However, we reserve the right to change specifications at any time without notice.

Trademarks

The terms 'Aquila', 'Avignon', 'Crystal Pure', 'Handyflow', 'Hycos', 'Microboil', 'Omega', 'Powerflow', 'Rho', 'Sapphire', 'Sigma', 'Speedflow', 'Wave', 'Zen', 'Zen Ice', 'Zen Life', 'Zen Solo' and 'Zen Spa' are all registered trademarks.

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