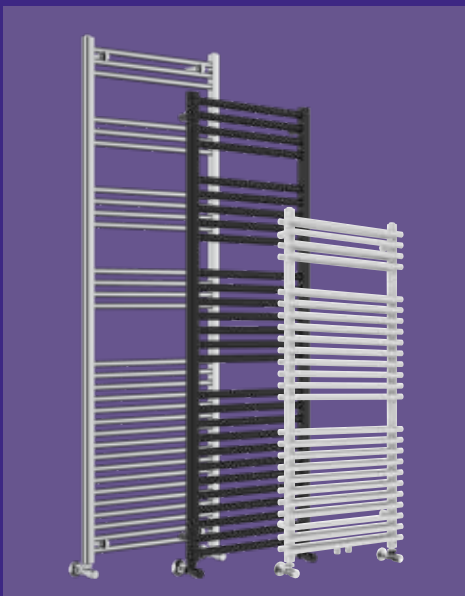


Section	Page No.
Renewables	4
Hydronic UFH	34
Electric UFH	48
Heating	56
Controls	80
Water Treatment	86
Consumables	100

## Plumbing + Heating Collection 2025/26



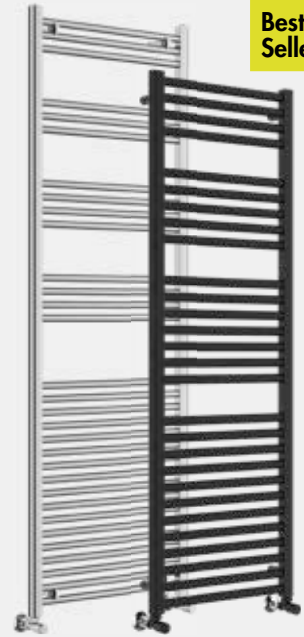
# Contents

Easy To Install



**59**  
Ideal Instinct² Combi Boiler

Best Seller



**79**  
22mm Towel Rails



**28**  
Inta Heat Pump Installer Kits

Best Seller



**92**  
IN-100 Concentrate Corrosion Inhibitor



**92**  
IN-300 Concentrate System Cleaner



**93**  
IN-500 Concentrate Leak Sealer

# Contents

## What's New...

Discover our latest plumbing + heating additions for 2025/26.



Renewables	4
------------	---

Hydronic UFH	34
--------------	----

Electric UFH	48
--------------	----

Heating	56
---------	----

Controls	80
----------	----

Water Treatment	86
-----------------	----

Consumables	100
-------------	-----

# Renewables

Section Page No.

## Heat Pump Filters

IntaKlean 28mm + 35mm HP Filters	6
Adey MagnaClean HP Filter	8
Fernox TF1 Sigma HP Filter 22mm + 28mm	9

## Anti-Freeze Valves

Inta Zero – Anti-Freeze Valves + Insulation	10
Fernox Anti-Freeze Valves + Thermal Covers	11
Bastion Anti-Freeze Valves	11

## Ball Valves

Inta K-Type Extended External Ball Valves	12
Inta K-Type Ball Valves (with Filter) + Insulation	13

## Ancillaries

Valves	14
Hoses	16
Insulation	20
Trunking	22
Mounting Brackets + Condensate Trays	23
Feet	24

## Buffers + Vessels

Inta Zil-B Buffer Vessels	26
Volumiser Vessels	26

## ASHP Soak-Away

DiversiTech Air Source Heat Pump Soak-Away	27
--	----

## Rotary Isolators

DiversiTech Rotary Enclosed Isolators	27
---------------------------------------	----

## Heat Pump Installer Packs

Inta 28mm + 35mm Heat Pump Installer Pack	28
---	----

## Water Treatment (for Heat Pumps)

Chemicals	30
Scalemaster® Suprion Scale Inhibitors	31

## Renewables Features

There are many features in our Instinct Pro Renewables range. Use the icons to help choose the right option for you.



Removes Debris  
Suspended in Water



Prevents Bacterial +  
Fungal Growth



Prevents Limescale  
+ Corrosion



Non-Hazardous  
Formulation



Anti-Freeze



Dosing Amount –  
Up to 100 Litres



Dosing Amount –  
Up to 10 Radiators



Bottle Made from  
50% Recycled Plastic



Manufactured  
in Great Britain



Easy to Install  
and Maintain

## Our frequently ordered Renewable products...

**Great Value**



**Inta Heat Pump Installer Kits**  
Page 28



**IntaKlean 28mm Filter**  
Page 7



**Fernox Anti-Freeze Valve + Thermal Covers**  
Page 11



**Inta Zil-B Buffer Vessel**  
Page 26



**Adey Chemicals**  
Page 30

## Your Home for Renewable Products

### Heat Pump Installer Packs

Everything you need to complete the job

### Heat Pump Filters

Improve efficiency, safeguard heat pumps and low-temperature systems, and prolong their lifespan

### Anti-Freeze Valves

Keep the system running smoothly in cold weather

### Ancillaries

Boost performance and simplify installation with key supporting products



Visit [instinctproducts.co.uk](https://www.instinctproducts.co.uk) and find your local renewables stockist

# Heat Pump Filters

## Guarantees

**5** Years  
on IntaKlean Heat Pump Filter

**new**

**Self  
Cleaning**



Direct filter forces fluid through the mesh cartridge before entering the filter chamber to catch as much system debris as possible

Integral discharge ball cock

Fully removable magnet

IntaKlean 35mm Insulation Jacket  
(for IK35MP1 Filter)



IntaKlean 35mm Filter  
Data Sheets, Installation  
Instructions + Maintenance

## IntaKlean 35mm Magnetic Air Source Heat Pump Filter (with 28mm Reducing Sets)

The IntaKlean HP XL features a more efficient direct filtration design with higher flow rates, built-in isolation and greater flexibility for the installer.

The direct filter forces the fluid across the mesh of the filter before entering the filter chamber. In this chamber, the mesh cartridge and strong neodymium magnet help to capture and breakdown the magnetite and non-ferrous debris from the system.

The gravitational force pulls the non-ferrous debris to the base of the pot, allowing it to be easily drained while any air passing through the filter floats to the top, where the manual air vent can purge it from the system.

### Features + Benefits

Actively filters magnetite and non-ferrous system debris

Extends the lifespan of heat pumps

Fights corrosion, ensures system efficiency

Suitable for water or water + glycol (Maximum 50% glycol)

90°C maximum temperature (One Hour Max)

0°C to +70°C operating temperature

6 Bar maximum working pressure

3 Bar maximum pressure during maintenance

300 µm degree of filtration

11,000 Gauss magnet strength

Kv Value (35mm Only) – 17.3 m³/h

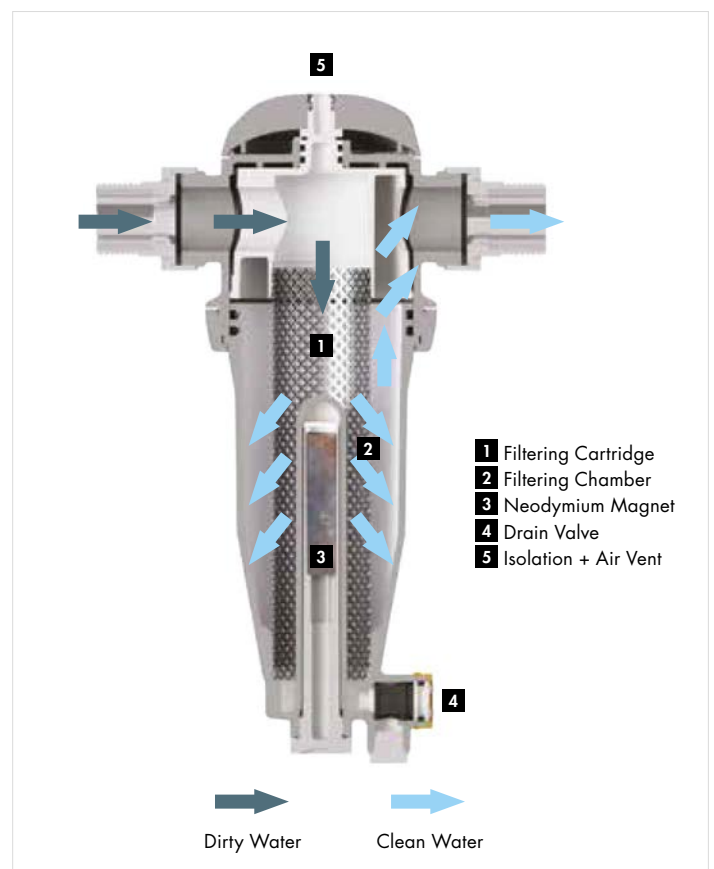
Finish – Black

Dimensions – 285(h) x 230(w) x 100(d) mm



**IK35MP1** IntaKlean 35mm Heat Pump Filter (with 28mm Reducing Sets)

**IK35INSU** IntaKlean 35mm Insulation Jacket (for IK35MP1 Filter)



**Guarantees**

**5** Years on IntaKlean Heat Pump Filter

# Heat Pump Filters



## IntaKlean 28mm Magnetic Air Source Heat Pump Filter

The IntaKlean HP Magnetic air source heat pump filter, featuring Inta's unique direct multi-layered non-ferrous fine filter.

This is the ideal solution to prevent costly and unnecessary system breakdowns caused by both magnetic and non-ferrous particulates in air source heat pump systems.

As well as separating magnetic debris and trapped air in circulating system fluid, IntaKlean HP also includes a completely unique direct filter which contains a multi-layered stainless steel 300-micron fine gauze.

The system debris is forced directly into the filter, breaking down the debris, which then precipitates to the base of the pot.

The remaining magnetic debris is drawn to the centre of the filter and captured by 11,000-gauss rare earth neodymium magnet.

**Features + Benefits**

Actively filters magnetite and non-ferrous system debris

Low-profile drain valve

360° rotation for ease of servicing

Suitable for water or water + glycol (Maximum 50% glycol)

90°C maximum temperature (One Hour Max)

4 Bar maximum working pressure

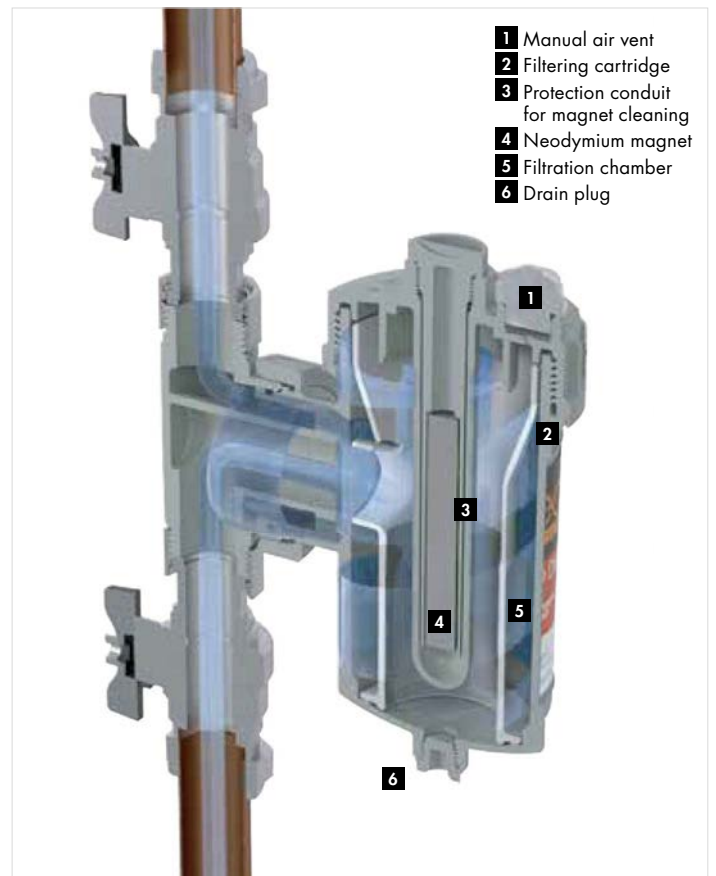
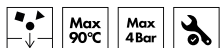
300µm + 800µm degree of filtration

11,000 Gauss magnet strength

Kv Value (35mm Only) – 8.27 m³/h

Finish – Grey

Dimensions – 271(h) x 90(w) x 182(d) mm



IKHPMF28

IntaKlean HP 28mm Magnetic Heat Pump Filter

# Heat Pump Filters

new

Easy To  
InstallEasy To  
Service

Chemicals can be easily dosed  
directly into the canister

Large canister ports,  
available for 28mm systems

Valves enable high flow rates  
and minimise pressure drops

Reduces CO2 emissions  
by up to 250kg per year\*



Take a closer look at  
the Adey MagnaClean HP®  
feature video

## Adey MagnaClean HP® Filter – Heat Pump + Low-Temperature System Protection

MagnaClean HP is a filter that has been designed specifically to protect heat pumps and low-temperature heating systems from both magnetic and non-magnetic debris, keeping them working as efficiently as possible, for as long as possible.

Low temperature heating systems, like those with heat pumps, are the perfect breeding ground for bacterial growth, which can clog them up, reducing efficiencies and ultimately causing breakdown.

Thanks to MagnaClean HP's high-quality build, powerful magnet, stainless steel gauze and non-blocking design, you can rest assured that you are fitting a filter that will efficiently protect systems and will stand the test of time.

### Features + Benefits

Specially designed to protect heat pump and low temperature systems

Protects heat pumps from magnetic and non-magnetic debris

Large canister ports, available for 28mm systems

Non-blocking design for optimum flow, even when the filter is full, keeping the system working as efficiently as possible

+3°C to +95°C operating temperature

6 Bar maximum working pressure

80 L/min (5m<sup>3</sup>/h) maximum flow rate

Extended system life of up to 7 years\*

Finish – Black

Dimensions – 251 (h) x 115 (w) x 235 (d) mm



FL1-03-06223

Adey MagnaClean HP® Filter

\*Based on independent research in the UK.



Dedicated magnetic and non-magnetic capture allows both types of debris to be captured before it enters the system

**Guarantees**

**10** Years  
on Fernox Heat Pump Filter

# Heat Pump Filters

**new**

Easy To Install

Easy To Service

Flexible installation - fits horizontal and vertical pipework

Simple and fast to install

Award Winning Design – HVN News Awards for 'Domestic Heating Product of the Year'

Convenient to clean and quick to service

Filter does not restrict flow, even at high flow rates

Capture Rate – Up to 100% of system contaminants

Take a closer look at the Fernox TF1 Sigma HP Filter feature video

**Fernox TF1 Sigma HP Filter**

The TF1 Sigma HP Filter efficiently removes all types of debris from renewable heating systems using patent pending technology.

The innovative TF1 Sigma HP Filter does not restrict flow, even at high flow rates, and will not block, ensuring the COP (co-efficient of performance) of the system is maintained thereby reducing energy consumption and fuel wastage. Simple and fast to install, the TF1 Sigma HP Filter is supplied with full bore valves as standard, which results in improved system performance, and greater energy efficiency.

**Features + Benefits**

- Specifically designed for Air and Ground Source Heat Pump systems
- Filter is extremely effective at high flow rates and across a range of debris types to ensure the system remains free of contaminants
- Constructed from a high-quality glass reinforced engineering polymer with brass full bore valves as standard
- Suitable for water or water + glycol (Maximum 50% glycol)
- 100°C maximum working temperature
- 5 Bar maximum working pressure
- 80 L/min maximum flow rate

Finish – Black  
Dimensions – 346(h) x 90(w) x 179(d) mm



Premium brass, full bore isolation valves supplied as standard – allows high flow rates

62614	Fernox Sigma HP Filter 22mm
62615	Fernox Sigma HP Filter 28mm

# Anti-Freeze Valves

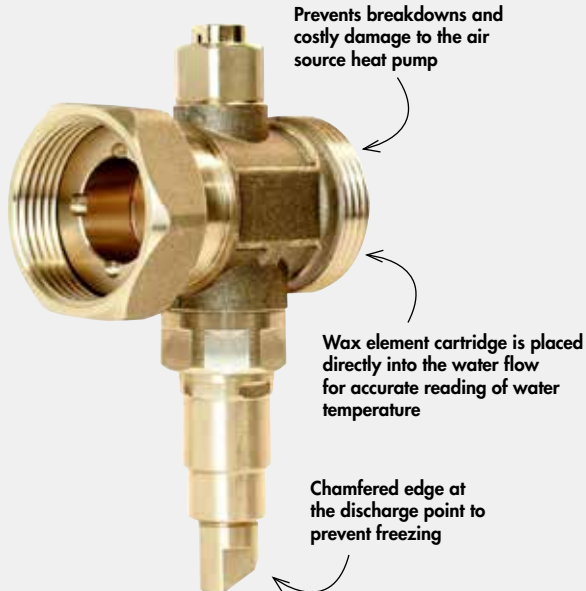
## Guarantees

**2** Years  
on Inta Zero Anti-Freeze Valves



Inta Zero Videos,  
Data Sheets, Installation  
Instructions + Maintenance

new



A unique protective cover,  
designed to protect the  
anti-vacuum valve on the  
Inta Zero Anti-Freeze Valves

Allows Anti-Freeze valves to  
be positioned inline when  
fitted on the flow and return  
connections



## Inta Zero

### – The most reliable anti-freeze valve

Inta Zero Anti-Freeze Valves have been specifically designed to quickly and accurately react to the water temperature in the heat pump circuit and do not need the influence of the ambient temperature to operate.

#### Preventing the influence of ambient temperatures

The Inta Zero has been designed and engineered to avoid negative influences from low ambient temperatures by directly positioning the element in the system water flow, permitting accurate system discharge only when it is truly needed.

#### Protection from system debris

A protective ring has been included in the construction to prevent system debris from clogging the operation of the valve.

#### Operating when needed

Double O-rings and reduced surface friction treatment on the operating member also ensure correct operation and reliability even after years of non-movement.

#### Features + Benefits

10 Bar maximum inlet pressure (Static)

Suitable for water

±1°C Sensitivity

+3°C opening temperature, +4°C closing temperature

0°C to +80°C working temperature range

-30°C to +60°C ambient temperature range

1.5 L/H max discharge Flow Rate @ 3 Bar

Kv Value – 55m<sup>3</sup>/h (ZERO001), 70m<sup>3</sup>/h (ZERO114), 64m<sup>3</sup>/h (ZERO28),  
70m<sup>3</sup>/h (ZERO35), 33m<sup>3</sup>/h (ZERO1SW), 52m<sup>3</sup>/h (ZERO14SW)

Max  
80°C

Max  
10 Bar



ZERO28	Inta Zero – Anti-Freeze Valve 28mm
ZERO35	Inta Zero – Anti-Freeze Valve 35mm
ZERO001	Inta Zero – Anti-Freeze Valve 1" Male
ZERO114	Inta Zero – Anti-Freeze Valve 1 ¼" Male
ZERO1SW	Inta Zero – Anti-Freeze Valve 1" Male x 1" Female Swivel
ZERO14SW	Inta Zero – Anti-Freeze Valve 1 ¼" Male x 1 ¼" Female Swivel
ZEROGUARD	Anti-Freeze Valve Protector
INSULZERO28SW	28mm Insulation (for Swivel Zero Valve)
INSULZERO35SW	35mm Insulation (for Swivel Zero Valve)



## Building Regulations Part L Compliance

Building regulations Part L states that all external pipework on an Air Source Heat Pump System should be fully insulated to reduce heat loss and maintain system efficiency. Inta Zero Anti-Freeze Valves will maintain correct operation and discharge the water at the same temperature even when a system is correctly insulated.

## Fully Insulated


The Inta Zero's thermostatic element sits directly in the system's water flow, allowing it to accurately react to the temperature of the system, regardless of ambient temperature. This means the Inta Zero can be fully insulated to help maintain the COP and SCOP of your system without affecting the operation.

**Guarantees**

**5** Years on Fernox Anti-Freeze Valves

**2** Years on Bastion Anti-Freeze Valves


# Anti-Freeze Valves



Take a closer look at the Fernox Anti-Freeze Valve feature video

new


Easy To Install




**Tailored fit**

**Enhanced energy efficiency**

**UV and Weatherproof material for externally fitted Anti-Freeze Valves**



Ferrox Anti-Freeze Valve 1 1/4"



Ferrox Anti-Freeze Valve Thermal Cover

new

Easy To Install



**Anti-Freeze valves prevents ice forming in the circuit of a system, avoiding potential damage to the heat pump and to the pipes**

**Water sensor cartridge – An automatic shut-off cock prevents water from draining while the cartridge is being replaced, thereby maintaining system pressure**

## Fernox Anti-Freeze Valves

The Fernox Anti-Freeze Valve is specifically designed to protect water-based air source Heat Pump heating systems. In cold weather when temperatures drop, systems that are not treated with a glycol-based fluid can freeze within the heat pump circuit potentially causing harmful and costly damage to vulnerable heat pump components and system pipework; eventually causing premature breakdown and repair.

The Fernox Anti-Freeze Valve is an essential, simple to install component developed to prevent frozen systems by detecting when the fluid in the circuit is close to freezing point i.e., when the circuit temperature reaches below 3°C. The Anti-Freeze Valve will automatically open and release system water, preventing ice from forming within the Heat Pump system and safeguarding the operation of the system.

**Features + Benefits**

**10 Bar** maximum inlet pressure (Static)

Suitable for water

±1°C Sensitivity

+3°C opening temperature, +4°C closing temperature

0°C to +75°C working temperature range

-30°C to +60°C ambient temperature range

Kv Value – 23.1 m<sup>3</sup>/h

Max 75°C	Max 10 Bar
----------	------------

62664	Fernox Anti-Freeze Valve 28mm
62665	Fernox Anti-Freeze Valve 1 1/4"
62691	Fernox Anti-Freeze Valve Thermal Cover 1 1/4"
62690	Fernox Anti-Freeze Valve Thermal Cover 28mm/1"

## Bastion Anti-Freeze Valves

The Anti-Freeze valve allows the circuit medium to be drained when its temperature reaches an average value of 3°C. This prevents ice forming in the circuit of a system, generally with a heat pump, avoiding potential damage to the machine and to the pipes. The version with the air sensor allows the system to work in cooling mode, even when the water temperature is approaching 3°C. In these conditions the air sensor cuts in to prevent water drainage.

**Features + Benefits**

**10 Bar** maximum inlet pressure (Static)

Suitable for water

±1°C Sensitivity

+3°C opening temperature, +4°C closing temperature

0°C to +65°C working temperature range

-30°C to +60°C ambient temperature range

Kv Value – 55 m<sup>3</sup>/h

Max 65°C	Max 10 Bar
----------	------------

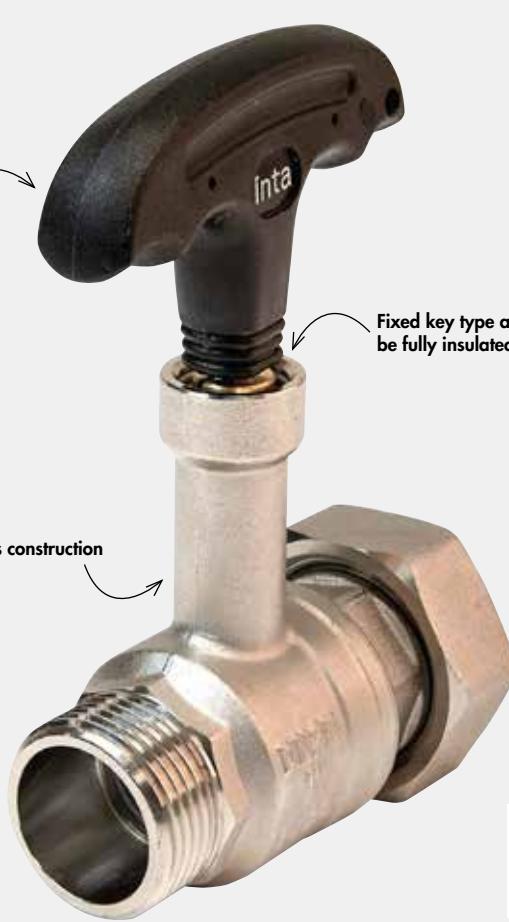
ZL-7201-1M	Anti-Freeze Valve 1"
ZL-7201-11/2M	Anti-Freeze Valve 1 1/2"
ZL-7201-11/4M	Anti-Freeze Valve 1 1/4"
ZL-7201-11/4MF	Anti-Freeze Valve 1 1/4" (Male to Female Swivel)
ZL-7201-1MF	Anti-Freeze Valve 1" (Male to Female Swivel)
ZL-7201-28MM	Anti-Freeze Valve 28mm
ZL-7207-28MM	Anti-Freeze Valve 28mm (off side)

# Ball Valves

Guarantees

**2** Years  
on Inta Ball Valves







Inta K-Type 1" Female Swivel  
x 1" Male Flat Face Extended  
Ball Valve



Inta K-Type Ball Valve  
Data Sheets, Installation  
Instructions + Maintenance

## Inta K-Type Extended External Ball Valves

The Inta extended external ball valve provides easy connections between the heat pump, flexible hose, Anti-Freeze valve (if fitted) and the heating system.

The extended stem allows the insulation to be sealed, which will not be broken when operating the valve.

Rotation of stem limited to 90° (open to closed), supplied individually to suit the flow or return of the heat pump system. It is recommended that a valve is installed on both flow and return pipework.

### Features + Benefits

Solid brass construction

Pressure rating of **PN25**

Variety of connections to suit all installations

Fixed key type adjuster allows the ball valve to be fully insulated without affecting its operation

Supplied with an adjustment tool and a dust cover to protect the adjuster

ISO228 threads

**25 Bar** maximum inlet pressure (Static)

**-10°C to +90°C** operating temperature

**-20°C to +120°C** temperature range

Kv Value – **66m<sup>3</sup>/h** (HPBV11, HPBV114, HPBV28), **80m<sup>3</sup>/h** (HPBV114X2, HBPV35)

Max  
120°C

Max  
25 Bar

**HPBV11** Inta K-Type 1" Female Swivel x 1" Male Flat Face Extended Ball Valve

**HPBV114** Inta K-Type 1 1/4" Female Swivel x 1" Male Flat Face Extended Ball Valve

**HPBV114X2** Inta K-Type 1 1/4" Female Swivel x 1 1/4" Male Flat Face Extended Ball Valve

**HPBV28** Inta K-Type 1" Female Swivel x 28mm Extended Ball Valve

**HPBV35** Inta K-Type 1 1/4" Female Swivel x 35mm Extended Ball Valve



Inta K-Type 1" Female Swivel x 28mm Extended Ball Valve



Adjustment  
Tool

Supplied with a dust cover  
to protect the adjuster

# Ball Valves

## Guarantees

**2** Years  
on Inta Ball Valves



**new**

### Inta K-Type Ball Valves (with Filter)

#### Features + Benefits

Solid brass construction

Lever ball valve handle

Pressure rating of **PN25**

**25 Bar** maximum inlet pressure (Static)

**-10°C to +90°C** operating temperature

**-20°C to +120°C** temperature range

Includes a **500µm mesh filter**

Kv Value – **66m³/h** (BVF28), **80m³/h** (BVF35)

Max 120°C	Max 25 Bar
--------------	---------------

**BVF28** Inta 28mm Ball Valve (with 500 Micron Filter Cartridge)

**BVF35** Inta 35mm Ball Valve (with 500 Micron Filter Cartridge)



**new**

### Inta K-Type Ball Valves Insulation

#### Features + Benefits

Insulation cover to increase system efficiency

Pre-Cut to fit 28mm and 1" extended ball valves

Pre-Cut to fit 35mm and 1 ¼" extended ball valves

Treated closed cell polyethylene

**-45°C to +105°C** operating temperature

**0.034 W/mk** thermal conductivity

**µ ≥ 39,300** water vapour resistance

**For external use only**

**INSUL28BALLVALVE** Inta Insulation (for 28mm / 1" Ball Valve)

**INSUL35BALLVALVE** Inta Insulation (for 35mm / 1 ¼" Ball Valve)

# Inta Valves

Guarantees

**2** Years  
on Inta Valves

new



### Inta Fill + Flush Valves

#### Features + Benefits

Solid brass construction

Allows simple and easy filling & flushing in one convenient fitting

Complete with end caps

Water + Glycol up to 50%

**16 Bar** maximum inlet pressure (Static)

**-5°C to +99°C** working temperature

Max  
99°CMax  
16Bar

**INFAF22** Inta 22mm Fill + Flush Valve

**INFAF28** Inta 28mm Fill + Flush Valve

new

Easily  
Adjustable

### Inta By-Pass Valves

#### Features + Benefits

Automatically stabilises flow

Protects the pump from pumping against closed head

**10 Bar** maximum inlet pressure (Dynamic)

**100°C** maximum inlet temperature

**1 to 5m<sup>3</sup>/hour** flow capacity

**0.1 to 0.5 Bar** differential pressure range

Max  
100°CMax  
10Bar

**ABPA28CP** Inta 28mm Angled By-Pass Valves

**ABPS28CP** Inta 28mm Straight By-Pass Valves

new



### Inta-Vent Deaerator

#### Features + Benefits

Automatically removes trapped air

Reduces wear on system components

Water + Glycol up to 30%

**10 Bar** maximum pressure (Static)

**100°C** maximum operating temperature

**-10°C** minimum inlet temperature

Max  
100°CMax  
10Bar

**IV22** 22mm Inta-Vent Auto Air Eliminator

**IV28** 28mm Inta-Vent Auto Air Eliminator

new



### Inta Flow Balancing Valves

#### Features + Benefits

Regulates the flow of fluid

Maximises heat collection in cylinders

Water + Glycol up to 50%

**10 Bar** maximum pressure (Static)

**110°C** maximum operating temperature

**-20°C** minimum operating temperature

Max  
110°CMax  
10Bar

**INFSV2840** 28mm Flow Balancing Valve (5-40 L/min)

**INFSV2850** 28mm Flow Balancing Valve (10-50 L/min)

new



### Inta Flow Balancing Valves (with Fill + Flush)

#### Features + Benefits

Regulates the flow of fluid

Maximises heat collection in cylinders

Water + Glycol up to 50%

**10 Bar** maximum pressure (Static)

**-20°C to 110°C** maximum operating temperature

Max  
110°CMax  
10Bar

**INFBV28** 28mm Flow Balancing Valve  
(with Fill + Flush 5-40Ltr)

**INFBV2850** 28mm Flow Balancing Valve  
(with Fill + Flush 10-50Ltr)

new



### Inta Y-Pattern Strainers

#### Features + Benefits

Passively filters debris and particles in the system

Convenient in-line design

Easily accessible filter makes servicing quick and simple

**16 Bar** maximum pressure (Static)

**100°C** maximum inlet temperature

Max  
100°CMax  
16Bar

**YPS085828800** 28mm Y-Pattern Strainer  
(800 Micron)

**YPS0858125800** 1 1/4" F x F Y-Pattern Strainer  
(800 Micron)

# Valves

## Guarantees

**2** Years  
on Bastion Valves



### Bastion Fill + Flush Valves

#### Features + Benefits

Energy-efficient and compact design

Easy integration with UFH systems

Built for durability and consistent performance

Suitable for both domestic and commercial UFH setups

**10 Bar** maximum inlet pressure (Static)

**85°C** maximum operating temperature

Max  
85°C

Max  
10 Bar

ZL-4250-22 Bastion 22mm Fill + Flush Valve

ZL-4250-28 Bastion 28mm Fill + Flush Valve



### Bastion Automatic By-Pass Valves

#### Features + Benefits

Reduces system noise and maintains an even system pressure

Ideal for sealed systems to protect pumps when zone valves close

**10 Bar** maximum inlet pressure (Dynamic)

**100°C** maximum inlet temperature

**1 to 5m<sup>3</sup>/hour** flow capacity

**0.1 to 0.5 Bar** differential pressure range

Max  
100°C

Max  
10 Bar

ZL-8009B Bastion Angled By-Pass Valves

ZL-8010B Bastion Straight By-Pass Valves



### Bastion Heat Pump Flow Balancing Valves (with Fill + Flush)

#### Features + Benefits

Easy integration with UFH systems

Built for durability and consistent performance

Suitable for both domestic and commercial UFH setups

**10 Bar** maximum pressure (Static)

**110°C** maximum operating temperature

Max  
110°C

Max  
10 Bar

ZL-4901-22-00 22mm Heat Pump Flow Balancing Valve (with Fill + Flush - 4-40 Ltr/min)

ZL-4901-28-00 28mm Heat Pump Flow Balancing Valve (with Fill + Flush - 4-40 Ltr/min)



### Bastion Y-Pattern Strainers

#### Features + Benefits

Easy integration with UFH systems

Exceptional durability and resistance to corrosion

Ideal for prolonged use in harsh environments

**10 Bar** maximum pressure (Static)

**100°C** maximum operating temperature

Max  
100°C

Max  
10 Bar

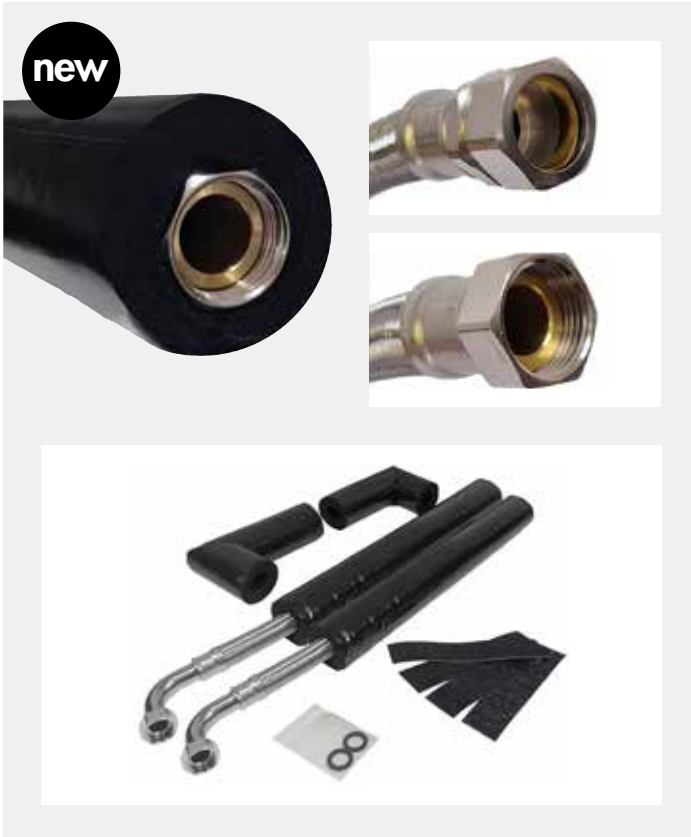
ZL-7113C-22 Bastion 22mm Y-Pattern Strainer (with Magnetic Filter)

ZL-7113C-28 Bastion 28mm Y-Pattern Strainer (with Magnetic Filter)

# Hoses

## Guarantees

**1** Year  
on Rob Pond Hoses



### Rob Pond Flexible Connection Hoses

Pre insulated with a durable 19mm thick PVC coating that resists weather and UV rays these flexible hoses simplify connecting flow and return pipes to heat pumps and biomass boilers. These hoses dampen vibrations and enable smooth bends during installation. They feature a 28mm inner hose encased in a protective stainless-steel braid.

For easy connection, one end has a male or female BSP thread, while the other uses a 28mm compression fitting.

#### Features + Benefits

Available in **300mm**, **500mm** and **750mm** lengths

#### Hose

Suitable for Water + Glycol up to 50%

28mm bore stainless steel braided inner hoses

**10 Bar** maximum inlet pressure (Static)

**90°C** maximum inlet temperature

#### Insulation

19mm wall thickness PVC coated insulation that resists weather and UV resistant

**-40°C to +110°C** insulation temperature range

**0.035 W/mk** insulation thermal conductivity

**μ ≥ 15,000** water vapour resistance

#### Kit

2 x PVC coated flexi hoses

2 x PVC tape strips

2 x rubber washes

Max  
110°C

Max  
10 Bar



### Rob Pond PVC External Insulation Tape

#### Features + Benefits

Seals PVC coated insulation joints and seams

**Excellent weather and UV resistance**

**Strong adhesion**

HPTAPE

PVC External Insulation Tape 10m x 50mm

### Rob Pond Flexible Connection Hoses

		Length	Connection
HPFA1143INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	300mm	28mm x 1 1/4" Fem
HPFA1145INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	500mm	28mm x 1 1/4" Fem
HPFA1147INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	750mm	28mm x 1 1/4" Fem
HPFA1283INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	300mm	28mm x 1" Fem
HPFA1285INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	500mm	28mm x 1" Fem
HPFA1287INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	750mm	28mm x 1" Fem
HPFS1145INS	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1 1/4" Fem
HPFS1147INS	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1 1/4" Fem
HPFS1285INS	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
HPFS1287INS	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem

## Guarantees

**1** Year  
on DiversiTech Hoses



## DiversiTech Flexible Connection Hoses

Pre insulated with external grade PVC coated 19mm thick insulation these flexible hoses help to avoid transmission of vibration in the pipe work and allow for a smooth bend when connecting the flow and return pipe to the heat pump.

### Features + Benefits

Available in **300mm, 500mm and 750mm** lengths

### Hose

Suitable for Water + Glycol up to 60%

20mm bore stainless steel braided inner hoses

One end has 28mm compression fitting, the other end BSP female threaded

**10 Bar** maximum inlet pressure (Static)

**85°C** maximum inlet temperature

### Insulation

19mm wall thickness PVC coated insulation that resists weather and UV resistant

Additional 80mm of insulation to cover the connectors

**-50°C to +110°C** insulation temperature range

**0.036 W/mk** insulation thermal conductivity

$\mu \geq 10,000$  water vapour resistance

### Kit

2 x PVC coated flexi hoses

2 x Insulation

Max  
110°C

Max  
10 Bar

## DiversiTech Flexible Connection Hoses

		Length	Connection
<b>FH-300-28-F-ELBOW</b>	PVC Coated Pre Insulated Elbow Flexi Hose Pair	300mm	28mm x 1" Fem
<b>FH-500-28-F</b>	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
<b>FH-500-28-1-1/4-F</b>	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
<b>FH-750-28-F</b>	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
<b>FH-750-28-1-1/4-F</b>	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1 1/4" Fem

## Guarantees

**2** Years  
on Inta Hoses

new


**HPHOSE300**  
Straight Hose

**HPHOSE300B**  
Angled Hose


Inta Flexible Hoses  
Data Sheets, Installation  
Instructions + Maintenance

### Inta Flexible Connection Hoses

Building regulations Part L states that all external pipework on an air source heat pump system should be fully insulated to reduce heat loss and maintain system efficiency.

In systems where every watt counts, Inta's pre-insulated hoses have been designed for external use to prevent heat losses and to help maintain the COP and SCOP of the system, preventing losses of energy, contributing to an efficient system and preventing higher costs to run than expected.

#### Features + Benefits

Available in **300mm**, **500mm** and **750mm** lengths

Pre-insulated to reduce system heat loss preserving system efficiency

Can be fit directly to the heat pump

Available in different sizes and styles to suit a variety of heat pump installations

Supplied in pairs to suit the flow and return

Supplied with an additional piece of insulation to cover connections

The Primary Pro insulation is waterproof and UV resistant, making it suitable for all weather conditions

#### For external use only

#### Hose

Suitable for Water, Water + Glycol up to 50%

Stainless steel braided inner hoses

**10 Bar** maximum inlet pressure (Static)

**90°C** maximum inlet temperature

#### Insulation

19mm wall thickness with Primary Pro's water and UV resistant insulation

Insulation material – Treated Closed Cell Polyethylene

Additional piece of insulation provided to insulate the connectors

**-45°C to +105°C** insulation temperature range

**0.034 W/mk** insulation thermal conductivity

$\mu \geq 39,300$  water vapour resistance

#### Kit

2 x Stainless Steel Braided Flexible Hoses

2 x Pre-fit Hose Insulation

2 x Rubber Washer

1 x Additional Piece Insulation

Max 90°C	Max 10 Bar
-------------	---------------

#### Inta Flexible Connection Hoses

		Length	Connection
<b>HPHOSE300</b>	Pre Insulated Straight Flexi Hose Pair	300mm	28mm x 1" Fem
<b>HPHOSE300B</b>	Pre Insulated Angled Flexi Hose Pair	300mm	28mm x 1" Fem
<b>HPHOSE500</b>	Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
<b>HPHOSE500B</b>	Pre Insulated Angled Flexi Hose Pair	500mm	28mm x 1" Fem
<b>HPHOSE50035</b>	Pre Insulated Straight Flexi Hose Pair	500mm	35mm x 1¼" Fem
<b>HPHOSE50035B</b>	Pre Insulated Angled Flexi Hose Pair	500mm	35mm x 1¼" Fem
<b>HPHOSE750</b>	Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
<b>HPHOSE750B</b>	Pre Insulated Angled Flexi Hose Pair	750mm	28mm x 1" Fem

# Hoses

## Guarantees

**1** Year  
on Altecnic Hoses



## Altecnic Flexible Connection Hoses

### Features + Benefits

Available in **300mm**, **500mm** and **750mm** lengths

#### Hose

Suitable for Water, Water + Glycol up to 40%

28mm bore stainless steel braided inner hoses

For easy connection one end has female BSP thread whilst other end has 28mm or 35mm compression fitting

**10 Bar** maximum inlet pressure (Static)

**90°C** maximum inlet temperature

#### Insulation

19mm wall thickness insulation that resists weather and is UV resistant

Insulation material – Aeroflex HF

Additional piece of insulation provided to insulate the connectors

**-50°C to +125°C** insulation temperature range

**0.04 W/mk** insulation thermal conductivity

**$\mu \geq 3000$**  water vapour resistance

#### Kit

2 x Aeroflex pre insulated hoses

2 x Fibre washers

**Max**  
**125°C**

**Max**  
**10 Bar**

Altecnic Flexible Connection Hoses		Length	Connection
<b>128-3601</b>	Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
<b>128-3602</b>	Pre Insulated Angled Flexi Hose Pair	750mm	28mm x 1" Fem
<b>128-3603</b>	Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
<b>128-3604</b>	Pre Insulated Angled Flexi Hose Pair	500mm	28mm x 1" Fem
<b>128-3605</b>	Pre Insulated Straight Flexi Hose Pair	300mm	28mm x 1" Fem
<b>128-3606</b>	Pre Insulated Angled Flexi Hose Pair	300mm	28mm x 1" Fem
<b>128-3607</b>	Pre Insulated Straight Flexi Hose Pair	750mm	35mm x 1¼" Fem
<b>128-3608</b>	Pre Insulated Angled Flexi Hose Pair	750mm	35mm x 1¼" Fem
<b>128-3609</b>	Pre Insulated Straight Flexi Hose Pair	500mm	35mm x 1¼" Fem
<b>128-3610</b>	Pre Insulated Angled Flexi Hose Pair	500mm	35mm x 1¼" Fem
<b>128-3611</b>	Pre Insulated Straight Flexi Hose Pair	300mm	35mm x 1¼" Fem
<b>128-3612</b>	Pre Insulated Angled Flexi Hose Pair	300mm	35mm x 1¼" Fem

# Insulation

## Guarantees

**1** Year  
on DiversiTech Insulation

### DiversiTech PVC Coated External Grade Insulation

#### Features + Benefits

PVC Coated weather protected covering to avoid UV degradation and animal damage

Class O **weatherproof** and **UV stable**

Helps installations comply with building regulations for heat loss



#### DiversiTech PVC Coated External Grade Insulation

		Length	Diameter	ID
<b>FH-I-1000-28</b>	PVC Coated Weather + Waterproof Insulation	1000mm	19mm	28mm
<b>FH-I-1000-35</b>	PVC Coated Weather + Waterproof Insulation	1000mm	19mm	35mm
<b>INS-TAPE-10-PK</b>	PVC Coated Weather + Waterproof Tape	250mm	1mm	35 Pack

### DiversiTech Pre Slit + Seal Insulation

#### Features + Benefits

Outstanding protection against the elements on external pipework with **weatherproof** and **UV stable** PVC coating

Design offers a **quick and secure** 'tape free' installation with its peel and seal join and self adhesive wrap over flap



#### DiversiTech Pre Slit + Seal Insulation

		Length	Diameter	ID
<b>FH-I-1000-28-SLIT</b>	Pre Slit + Seal Insulation	1000mm	19mm	28mm
<b>FH-I-1000-35-SLIT</b>	Pre Slit + Seal Insulation	1000mm	19mm	35mm
<b>INS-TAPE-10-PK</b>	PVC Coated Weather + Waterproof Tape	250mm	1mm	35 Pack

### DiversiTech Through The Wall Insulation Kit

#### Features + Benefits

Avoids heat loss and improves efficiency of the installed air source heat pump

Sleeved PVC coated insulation kit containing 2 x straight lengths (320mm) and 2 x elbows

19mm wall insulation with a tough PVC coating

Suitable for both 22mm and 28mm pipe work

Provides both thermal insulation within the wall, and comes complete with an elbow section to cover the external copper pipe connection



**TW-KIT**

Through Wall Insulation Kit 22-28mm Pipe 19mm Wall External Grade Insulation

**Guarantees**

**2** Years on Primary Pro Insulation

Take a closer look at the Primary Pro product and demo videos



# Insulation

## Primary Pro External Heating Insulation

**Features + Benefits**

Protected with unique weather and UV protective coating allowing you to cut/mitre to the required size  
 Insulation should go through fabric of wall then sealed to be fully insulated

Primary Pro External Heating Insulation					
		Length	Diameter	Thickness	ID
AS045	Primary Pro 22mm x 25mm Insulation	1000mm	65mm	25mm	22
AS022	Primary Pro 28mm x 19mm Insulation	1000mm	78mm	19mm	28
AS033	Primary Pro 35mm x 19mm Insulation	1000mm	83mm	19mm	35
AS042	Primary Pro 42mm x 19mm Insulation	1000mm	85mm	19mm	42
PPE028	28mm Pre Made Elbows	120mm	60mm	19mm	28
PPE035	35mm Pre Made Elbows	130mm	75mm	19mm	35



## Primary Pro Wall Sleeve

**Features + Benefits**

Protects insulated pipework through wall for 22mm, 28mm and 35mm  
 Primary Pro Sleeves can be fitted and sealed using Bond & Seal to prevent heat loss and moisture ingress

Primary Pro Wall Sleeve					
		Length	Diameter	Thickness	ID
PS028	Primary Pro 22/28mm Sleeve	1000mm	72mm	25mm	22/25
PS035	Primary Pro 35mm Sleeve	1000mm	87mm	19mm	35

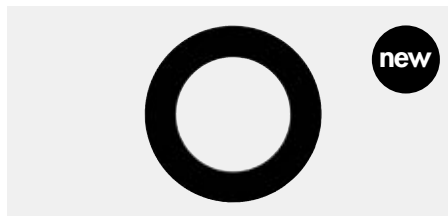


## Primary Pro Bond + Seal

**Features + Benefits**

Aids installers to seal joints, provides perfect seal for the insulation through the wall

AS001 Primary Pro Bond + Seal (290ml)



## Primary Pro Sealing Rings

**Features + Benefits**

Sealing ring that makes sealing external walls simple

AS35 Primary Pro 22 + 28mm Sealing Ring (10 Pack)  
 AS36 Primary Pro 35mm Sealing Ring (10 Pack)



## Primary Pro Grinder Head

**Features + Benefits**

Designed to flatten any uneven surfaces, makes a 4mm indentation to the flat wall (brick wall) to make the wall sealing surface flush

AS34 Primary Pro Grinder Head



## Primary Pro Easy Fix Backplate

**Features + Benefits**

Designed for speed and efficiency, allowing you to attach clips to the wall at least five times faster

AS050 Primary Pro Easy Fix Back Plate



## Primary Pro Maintenance Coat

**Features + Benefits**

Apply after installation to tidy up any brick dust or marks

IG010M Primary Pro Maintenance Coat (1ltr)  
 IG005 Primary Pro Maintenance Coat (250ml)



## Primary Pro Joint Covers

**Features + Benefits**

Provides enhanced durability on straight or elbow joints

JC28 Primary Pro 28mm Straight Joint Cover (10 Pack)  
 JC35 Primary Pro 35mm Straight Joint Cover (10 Pack)  
 EJC28 Primary Pro 28mm Elbow Joint Cover (10 Pack)  
 EJC35 Primary Pro 35mm Elbow Joint Cover (10 Pack)

# Trunking

## Guarantees

**1** Year  
on DiversiTech Trunking



### DiversiTech SpeediDuct® External Trunking

SpeediDuct® is a system used for air source heat pumps and services. Made out of rigid PVC, the colours are fadeproof, UV resistant and fireproof. The trunking contributes to reducing energy consumption. Suitable for indoor and outdoor use, it can be painted to match its environment.

#### Features + Benefits

Made of rigid, shockproof, UV-stabilised fire resistant PVC B

#### High-quality

Usable from **-20°C to +60°C** in a static position

Inside fixation rail (SpinFix) enables use of cable ties to strap and keep the linesets in place – contributing to the duct rigidity

Large selection of outdoor trunking options available

#### Quick and easy to install

#### UV Stable



### DiversiTech SpeediDuct® Duct

#### Features + Benefits

150mm width, 2000mm length

Available in black or white finish

**TR-D-150-B** SpeediDuct Trunking (Black)  
**TR-D-150-W** SpeediDuct Trunking (White)



### DiversiTech SpeediDuct® Connection Piece

#### Features + Benefits

150mm width

Available in black or white finish

**TR-CP-150-B** SpeediDuct Connection Piece (Black)  
**TR-CP-150-W** SpeediDuct Connection Piece (White)



### DiversiTech SpeediDuct® Flat Bend

#### Features + Benefits

150mm width

Available in black or white finish

**TR-FB-150-B** SpeediDuct Flat Bend (Black)  
**TR-FB-150-W** SpeediDuct Flat Bend (White)



### DiversiTech SpeediDuct® Wall Cover

#### Features + Benefits

150mm width

Available in black or white finish

**TR-WC-150-B** SpeediDuct Wall Cover (Black)  
**TR-WC-150-W** SpeediDuct Wall Cover (White)



### DiversiTech SpeediDuct® 90° External Bend

#### Features + Benefits

150mm width

Available in black or white finish

**TR-EC-150-B** SpeediDuct 90° External Bend (Black)  
**TR-EC-150-W** SpeediDuct 90° External Bend (White)



### DiversiTech SpeediDuct® 90° Internal Bend

#### Features + Benefits

150mm width

Available in black or white finish

**TR-IC-150-B** SpeediDuct 90° Internal Bend (Black)  
**TR-IC-150-W** SpeediDuct 90° Internal Bend (White)

**Guarantees**

**1** Year on DiversiTech Mounting Brackets + Condensate Trays

# Mounting Brackets + Condensate Trays



**DiversiTech Wall Mounting Brackets**

These flat-packed, self assembly brackets provide a professional finish to the installation of wall mounted outdoor condensing units and air source heat pumps.

**Features + Benefits**

Integral spirit level for **easier, correct installation**

Uprights mount anywhere on the crossbar which enables the arm span to be **adjusted easily**

Adjustable wall spacers to level the arms

Safe working **load up to 250kg**

Suitable to match most brands of condensing units and domestic air source heat pumps

All brackets are tested to 2 x safe working load and go through a 4 stage anti corrosion coating process

DiversiTech Wall Mounting Brackets							
		Finish	Safe Working Load*	Crossbar	Upright	Support Arm	Weight
<b>CBR2-M</b>	Type 2 Bracket – Medium	Ivory (RAL 7032)	90kg	900mm	500mm	500mm	4.6kg
<b>CBR2-XL</b>	Type 2 Bracket – XL	Ivory (RAL 7032)	250kg	1040mm	550mm	660mm	16.2kg
<b>CBR2-XL-BL</b>	Type 2 Bracket – XL	Black	250kg	1040mm	550mm	660mm	16.2kg
<b>CBR2-XXL-3A-BL-DA</b>	Type 2 Bracket – XXL (3 Arms)	Black	250kg	1120mm	550mm	780mm	17.3kg
<b>AVMB-1</b>	AV Mounting Bolts (Pack of 4)		-	-	-	-	-

\*All brackets are tested to twice the safe working loads at an independent UK facility



**DiversiTech Easy-Fit Condensate Collection Trays**

These metal trays have a convex profile and a recessed surface flush, drain hose adaptor, minimising the amount of standing water left in the tray.

**Features + Benefits**

25mm height trays with concave profile for **efficient drainage**

Supplied with fixing arms to mount to brackets (wall brackets not included)

All trays go through a 4-stage anti-corrosion process

Concave profile ensures effective water drainage

Recessed, surface-flush drain pipe adaptor **minimises standing water in the tray**

½" BSP mail thread on drain outlet

DiversiTech Easy-Fit Condensate Trays					
		Finish	Depth	Width	Weight
<b>CCTM-1080-BL</b>	Metal Tray – 1080mm	Black	500mm	1080mm	7.5kg
<b>CCTM-1100</b>	Metal Tray – Medium	Ivory (RAL 7032)	400mm	1100mm	6.9kg
<b>CCTM-1300-BL</b>	Metal Tray – 1300mm	Black	550mm	1300mm	8.8kg
<b>CCTM01420-BL</b>	Metal Tray	Black	500mm	1420mm	8.5kg

# Feet

## Guarantees

**1** Year  
on DiversiTech Feet

**new** Quick To Install



### DiversiTech Flexi Foot with Strut Kits

Flexi Foot with Strut Kits – These kits can support air source heat pumps, and be used in single form as a flexi foot with strut on a variety of outdoor equipment such as cable trays and pipework etc.

#### Features + Benefits

Made from heavy-duty recycled rubber

21 x 41mm galvanized steel strut is supplied bonded to the rubber

Drain slots moulded to the underside of the foot

600mm kit size

Foot material density **1.0kg/cm**

#### Fast and simple installation

480 hour salt spray tested for durability against the elements

#### DiversiTech Flexi Foot with Strut Kits

		Safe Working Load	Length	Width	Height	Weight
FF-600-S-KIT	2 x Flexi Foot 600mm (with fixings)	840kg	600mm	185mm	100mm	12.5kg
FF-600-S-KIT-3	3 x Flexi Foot 600mm (with fixings)	–	600mm	185mm	100mm	–
FF-600-S-150-KIT	2 x Flexi Foot 600mm (with fixings)	–	600mm	130mm	150mm	–
FF-600-S-150-KIT-3	3 x Flexi Foot 600mm (with fixings)	–	600mm	130mm	150mm	–

**new**

Anti Vibration



### DiversiTech Baby Sumo Adjustable Rubber Support Foot

These mini adjustable feet are perfect as ground supports for AC and ASHP units. They are made from reprocessing discarded tyres where 70-95% of the rubber can be recovered. These feet are made of a blend of SBR vulcanised UV-stable rubber with internal glass fibre-reinforced polypropylene.

#### Features + Benefits

**Anti-vibration** mount made of UV-stabilised rubber compound

**Suitable for supporting units on uneven or sloping surfaces**

**160-210mm adjustable height**

NBR rubber washer at the fixing point to further reduce vibration

Support surface features a substantial contact area offering a **stable and secure base**

Solid structure **prevents water stagnation and seepage**

**-30°C to +75°C** working temperature

Includes integral M10 bolt nut & washer, NBR rubber anti vibration washer and integrated spirit level

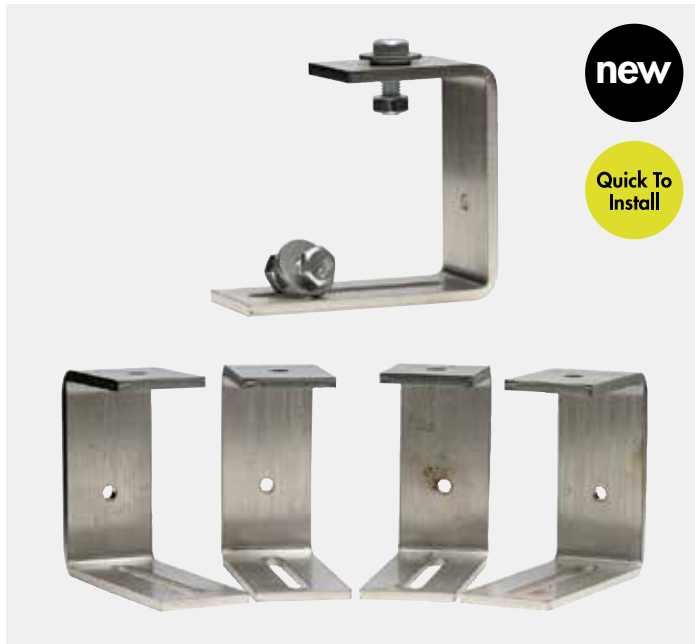
#### DiversiTech Baby Sumo Adjustable Rubber Support Foot

		Safe Working Load	Height	Width	Depth	Fixing	Qty
SUMO-FT	Mini Adjustable Foot	150kg (per foot)	160-210mm	160mm	160mm	M10	Pack of 4
SUMO-FT-6	Mini Adjustable Foot	150kg (per foot)	160-210mm	160mm	160mm	M10	Pack of 6

**Guarantees**

**1** Year on DiversiTech Feet      **1** Year on Rob Pond Feet

**Feet**



**new**

**Quick To Install**

**DiversiTech Floor Tray Mounting Bracket Kit**

When units are mounted at floor level, condensate discharge needs to be directed towards a drain or soak-away to avoid condensate causing a slip hazard.

**Features + Benefits**

This floor bracket kit allows the metal tray to be mounted onto a flexi foot kit

Bracket kit allows a condensate tray to be mounted on to flexi foot kit. The ASHP can then be mounted on to the bracket

Includes all necessary fixings for **quick and easy installation**

DiversiTech Floor Tray Mounting Bracket Kit			
		Qty	For Use With
<b>CCTM-FLOOR-BRKT-KIT</b>	Stainless Steel Brackets (with fixings)	4	Flexi Feet / Trays
<b>CCTM-FLOOR-BRKT-KIT-3</b>	Stainless Steel Brackets (with fixing – 3ft version)	4	Flexi Feet / Trays



**Anti Vibration**      **new**

**Rob Pond Anti Vibration Rubber Feet**

These anti-vibration feet are designed to provide superior stability and noise reduction for various types of equipment and appliances. These sturdy feet effectively minimise movement and absorb vibrations, ensuring smoother operation and prolonging the life of your machinery.

**Features + Benefits**

**Anti-vibration and noise absorption**

Includes all necessary fixings for **quick and easy installation**

Produced from recycled rubber with 41mm x 21mm bonded channel

**-40°C to +80°C** working temperature

Rob Pond Anti Vibration Rubber Feet					
		Safe Working Load	Length	Width	Height
<b>AVFR250</b>	Anti Vibration Rubber Foot 250mm + Fixing Kit	160kg	250mm	130mm	95mm
<b>AVFR400</b>	Anti Vibration Rubber Foot 400mm + Fixing Kit	240kg	400mm	130mm	95mm
<b>AVFR600</b>	Anti Vibration Rubber Foot 600mm + Fixing Kit	450kg	600mm	130mm	95mm
<b>AVFR6150</b>	Anti Vibration Rubber Foot Hi-Block 600mm + Fixing Kit	450kg	600mm	130mm	150mm

# Buffers + Vessels

**Guarantees**
**5** Years  
on Inta Buffers + Volumiser Vessels

**new**
**Mild Steel**


Inta Zil-B Buffer Vessel  
Data Sheets, Installation  
Instructions + Maintenance

**new**


Volumiser Vessels  
Data Sheets, Installation  
Instructions + Maintenance

## Inta Zil-B Buffer Vessels

Inta Zil-B buffer vessels are designed to store thermal energy generated by a heat pump system for later use when required.

Zil-B buffer vessels are manufactured to the highest quality and standard, to ensure they maintain optimum system performance, helping to enhance the heat pumps overall efficiency.

### Features + Benefits

Available in 25, 50, 80 + 100 litre capacity

Acts as a buffer storing additional volume and also as a hydraulic separator, separating the primary and secondary circuits

Eliminates compressor pump short cycling

**Heat efficient** for the heat pump defrost cycle

Adjustable wall bracket to assist in the event of an uneven install surface

**41mm** premium polyurethane **foam insulation** with **minimal heat loss**

**Improves the operating efficiency of heat pumps**

Additional connections for venting and drainage

**4 Bar** maximum inlet pressure (Static)

**95°C** maximum inlet temperature

Suitable for Water + Glycol up to 50%

Max 95°C	Max 4Bar
-------------	-------------

**BUFF25** 25 Litre Wall / Floor Buffer Vessel

**BUFF50** 50 Litre Wall / Floor Mounted Buffer Vessel

**BUFF80** 80 Litre Floor Mounted Buffer Vessel

**BUFF100** 100 Litre Floor Mounted Buffer Vessel

## Volumiser Vessels

Provides a bypass route to maintain the minimum flow rate through the heat pump.

### Features + Benefits

Promotes **energy efficiency**

Prevents short cycling

Can be used as an intermediate vessel to protect the expansion vessel membrane from excess temperatures on a solar system

Suitable for heat pump and solar systems

Equipped with entry and exit connections

Complies with PED 2014/68/EU

Suitable for solar systems in accordance with EN12977

**10 Bar** maximum pressure

**-10°C to 110°C** operating temperature

Max 110°C	Max 10 Bar
--------------	---------------

**10001216**

12 Litre Volumiser Vessel

**10001836**

18 Litre Volumiser Vessel

**Guarantees**

**1** Year on DiversiTech ASHP Soak-Away + Rotary Isolators

# ASHP Soak-Away + Rotary Isolators



### DiversiTech Air Source Heat Pump Soak-Away

This unique pre-bagged geo textile soak-away is used to safely dispose of the condensate from all domestic-sized air source heat pumps where drain routing is not available. This method prevents the condensate from flowing onto paths and driveways, which can freeze and cause a slip hazard.

**Features + Benefits**

Alternative method to condensate removal disposal and suitable for all models/ brands of air source heat pumps

Made from pre-bagged geo-textile material to prevent soil ingress

Pre filled with lightweight granules

DiversiTech Air Source Heat Pump Soak-Away		Inlet	Diameter	Height	Capacity
ASHP-SOAK	Air Source Heat Pump Soak-Away	32mm	400mm	400mm	10-15 litres per hour



### DiversiTech Rotary Enclosed Isolators

Insulated 4-pole rotary enclosed isolators are CE marked and suitable for disconnecting the power supply to outdoor air conditioning units. The isolators are weatherproof to IP65, easy-to-install, and conform to IEC 60947-3. They have a lockable OFF position and interlocking cover which can be removed only in the OFF position. Earth and neutral terminals included and M20/25 knockouts up to 63A.

**Features + Benefits**

**Weatherproof to IP65**

**Easy installation**

M20/25 knockouts up to 63A

Handle lockable in off position

Interlocked cover - removable in off position only

Earth and neutral terminals included

Captive, retained cover screws

Conforms to IEC 60947-3

DiversiTech Rotary Enclosed Isolators		AMPS AC21		AC23 A 240VA	AC23 A 400VA	Cable Capacity		Height	Width	Depth
	No. of Poles					Solid	Stranded			
IS-4P-32A-G	4	32amp	11kW	7.5kW		1-16mm <sup>3</sup>	0.75-10mm <sup>2</sup>	175mm	114mm	135mm
IS-4P-40A-G	4	40amp	15kW	11kW		1-16mm <sup>3</sup>	0.75-10mm <sup>2</sup>	175mm	114mm	135mm

# Heat Pump Installer Packs

Guarantees

**2** Years  
on Inta Heat Pump Installer Packs

new

All-in-One  
PackGreat  
Value

Inta 28mm Heat Pump Installer Pack  
Data Sheets, Installation  
Instructions + Maintenance

## Inta 28mm Heat Pump Installer Pack

The pack contains everything an engineer needs to complete the external installation.

### Features + Benefits

Inta Zero Ant-Freeze Valve – See page 10

Inta Flexible Connection Hoses – See page 18

Inta K-Type Extended External Ball Valves – See page 12

Inta K-Type Ball Valves Insulation – See page 13

### Kit Includes

2 x Heat Pump Ball Valve 28mm

2 x Ball Valve Insulation

2 x Zero Anti-Freeze Valve 28mm

2 x Anti-Freeze Insulation

2 x Anti-Vacuum Guard

1 x Heat Pump Hose with Elbow 500mm (Pack of 2)

2 x 28mm x 1" Adaptor

2 x 1 1/4" Female x 1" Male Adaptor

1 x Bond + Seal

INHPKIT1

Inta 28mm Heat Pump Installer Pack

**Guarantees**

**2** Years  
on Inta Heat Pump Installer Packs

# Heat Pump Installer Packs

  
**Great Value**

**new**

**All-in-One Pack**



**Inta 35mm Heat Pump Installer Pack**  
Data Sheets, Installation  
Instructions + Maintenance



**Inta 35mm Heat Pump Installer Pack**

The pack contains everything an engineer needs to complete the external installation.

**Features + Benefits**

Inta Zero Ant-Freeze Valve – See page 10

Inta Flexible Connection Hoses – See page 18

Inta K-Type Extended External Ball Valves – See page 12

Inta K-Type Ball Valves Insulation – See page 13

**Kit Includes**

- 2 x Heat Pump Ball Valve 35mm
- 2 x Ball Valve Insulation
- 2 x Zero Anti-Freeze Valve 35mm
- 2 x Anti-Freeze Insulation
- 2 x Anti-Vacuum Guard
- 1 x Heat Pump Hose with Elbow 500mm (Pack of 2)
- 2 x 35mm x 1 ¼" Adaptor
- 1 x Bond + Seal

**INHPKIT114**

Inta 35mm Heat Pump Installer Pack

# Chemicals



## Adey MC10+® Biocide

With a dual biocide formulation, MC10+ tackles algae and biological contamination in low-temperature systems including underfloor heating. Extra concentrated, containing two active ingredients, it's more effective than single biocide products.

### Features + Benefits

**High performance dual biocide** with two separate active ingredients making it more effective than a single biocide

**Prevents bacterial contamination** and **algae**

Ensures **efficient system operation**



CH1-03-03268

Adey MC10+® Biocide (500ml)



## Adey MC1 Protector Liquid

High performance corrosion and scale inhibitor, MC1 is formulated to protect the central heating system. Built to keep the boiler working efficiently and help protect the system and boiler so it lasts longer. MC1 is formulated to prevent magnetite and other deposits forming, reducing debris buildup and preventing component wear and tear.

### Features + Benefits

**Protects against corrosion** and **scale**

**Maintains heating efficiency**

**Helps reduce heating costs** and **maintenance bills**

Extends the central heating system's lifetime



MC1P

Adey MC1 Protector Liquid (500ml)



## Adey MC3 Cleaner Liquid

MC3 Cleaner has been developed specifically to keep heating systems free from debris. Once added, its powerful formulation gets to work on breaking down magnetite and other sludge in as little as an hour.

### Features + Benefits

**Removes sludge, debris** and **scale**

**Restores heating efficiency**

Suitable for all heating systems

**Fast acting formula**, works within 1 hour of dosing



MC3C

Adey MC3 Cleaner Liquid (500ml)



## Adey MCZero+ Anti-Freeze

MCZero+® is a concentrated monopropylene-based glycol solution designed to prevent freezing in all types of water. The formulation also contains an inhibitor to protect against corrosion and scale formation, and biocide to prevent bacterial contamination. Specially designed to protect low-temperature heating and cooling systems.

### Features + Benefits

**Prevents water freezing**

**Prevents corrosion, scale formation** and **microbial growth**

**Protection at -3°C** at a **10% concentration**

Mild steel protection **prevents magnetite generation**



CH1-03-03455

Adey MCZero+ Anti-Freeze (10 Litre)

CH1-03-03113

Adey MCZero+ Anti-Freeze (2.5 Litre)

# Chemicals

new

Anti Freeze



## Fernox Heat Transfer Fluid HP-EG

A concentrated heat transfer fluid for Air and Ground Source Heat Pumps based on ethylene glycol. This high performance product is designed to protect against corrosion and limescale, as well as frost protection from -10 to -33°C.

### Features + Benefits

High performance heat transfer fluid for **maximum protection against corrosion and scale**, to extend system longevity

Higher efficiency and lower viscosity than propyleneglycol based products

Lower viscosity means **less energy is used** to pump the heat transfer fluid around the system

Excellent pH buffering to maintain optimum system pH for a mixed-metal system

**Cost effective** solution where thermal efficiency is a key requirement

Compatible with all metals and materials in heat pump systems

**Concentration** 25%, 30%, 35%, 40%, 45%, 50%

**Frost Protection** -10°C, -14°C, -18°C, -22°C, -28°C, -33°C



62644

Fernox Heat Transfer Fluid HP-EG (10 Litres)

62595

Fernox Heat Transfer Fluid HP-EG (20 Litres)

new



## Fernox Biocide F7

Biocide F7 prevents bacterial contamination and fungal growth within underfloor, low temperature heating systems and chilled systems. Biocide F7 should be used in conjunction with Fernox Protector F1 or Anti-Freeze Protector Alpha-11 to offer full system protection against corrosion and scale, and to maintain energy efficiency levels. Biocide F7 is also used to clean and prevent the reoccurrence of microbiological fouling producing jelly-like deposits (fungal growths) in feed and expansion cisterns. Gas produced by fermentation within systems will also be eliminated by the addition of Biocide F7.

### Features + Benefits

Prevents the reoccurrence of jelly-like deposits in low temperature heating systems such as underfloor systems and to clean feed and expansions cisterns

**Fast, effective action** – starts to work within 24 hours

Simple application, add via a radiator, towel rail, filling loop or inline system filter

Compatible with all Fernox Protectors

**High performance**, dual action biocide – disinfectant and preservation agent provides **short term and long term protection**

A single 200ml bottle of Biocide F7 treats up to 250m<sup>2</sup> of underfloor systems and 150 litres of system volume



62393

Fernox Biocide F7 (200ml)

## Chemicals

new

**Scalemaster® HP-PRO Heat Transfer Fluid for Heat Pumps**

Concentrate working fluid for air/ground source heat pumps & underfloor heating systems.

**Features + Benefits**

Inhibited monopropylene glycol (MPG) based Anti-Freeze formulation with added biocide, providing scale, corrosion and bacterial growth protection

Helps prevent limescale formation, corrosion and bacterial growth in low temperature heating systems

**-14°C frost protection**, providing a wider operating range than water alone

Compatible with all materials commonly found in heat-pump and underfloor heating systems

Convenient application, mix at site with mains tap water



**509006** Scalemaster® HP-PRO Heat Transfer Fluid for Heat Pumps (5 Litre)

**509013** Scalemaster® HP-PRO Heat Transfer Fluid for Heat Pumps (10 Litre)

**509020** Scalemaster® HP-PRO Heat Transfer Fluid for Heat Pumps (20 Litre)

new

**Scalemaster® Sanitising Fluid**

A highly effective sanitising/disinfectant fluid for the treatment of waterborne bacteria and biofilms in low temperature domestic heat pump and underfloor heating systems, and in general storage tanks and pipework.

**Features + Benefits**

**Effective against organic contaminants/pollutants** – bacteria & viruses, micro-organisms & mould, biofilms & slime

Includes test strips to measure diluted concentration



**508498** Scalemaster® Sanitising Fluid (1 Litre)

new

**Scalemaster® HP-PRO Biocide Top-Up Treatment for Heat Pumps**

Use HP-PRO Biocide Top-Up Treatment annually to provide ongoing protection against the growth of bacteria in air/ground source heat pumps & underfloor heating systems. A 250ml bottle is sufficient to treat 100 litres of water at zero current concentration levels.

**Features + Benefits**

Delivers a stronger, more persistent (longer lasting) treatment for low temperature systems

Compatible with all materials commonly found in heat-pump and underfloor heating systems



**509068** Scalemaster® HP-PRO Biocide Top-Up Treatment for Heat Pumps (250ml)

**Instinct Pro IN-100 Corrosion Inhibitor**

Provides top-up treatment for air/ground source heat pumps & underfloor heating systems preventing corrosion and hard water limescale precipitation, and is essential for maintaining operational efficiency of low temperature heat pump and underfloor heating systems.

**Features + Benefits**

Compatible with all materials commonly found in heat-pump and underfloor heating systems

A 250ml bottle is sufficient to treat 100 litres of system water



**504223** Instinct Pro IN-100 Corrosion Inhibitor (250ml)

**Instinct Pro IN-300 System Cleaner**

For pre-commissioning of low temperature heat pump and underfloor heating systems. Removes installation foulants, flux, grease and debris suspended in water by flushing

**Features + Benefits**

Ideal for treating new systems prior to adding Heat Transfer Fluid

Compatible with all materials commonly found in heat-pump and underfloor heating systems



**504247** Instinct Pro IN-300 System Cleaner (250ml)


**Guarantees**

**3** Years on Scalemaster® Suprion Scale Inhibitors

# Scale Inhibitors


## Suprion – Technologically Advanced Physical Water Treatment

Proven longevity with no decline in performance




Prevents hard water limescale buildup

950211 EH-12E 15



Requires no electrical power



Protects the mains water circuit of electric domestic heating & hot water immersion systems, including those with heat pumps

950228 EH-75

950235 EH-100

**new**

Easy To Install

Removes Limescale

### Scalemaster® Suprion Scale Inhibitors

Suprion EH models provide a technologically advanced, effective solution to hard water scale problems over a wide range of water applications for an extended period of time. Prevent limescale buildup in traditionally hard to treat environments which occur in electric pump/immersion heater systems.

**Features + Benefits**

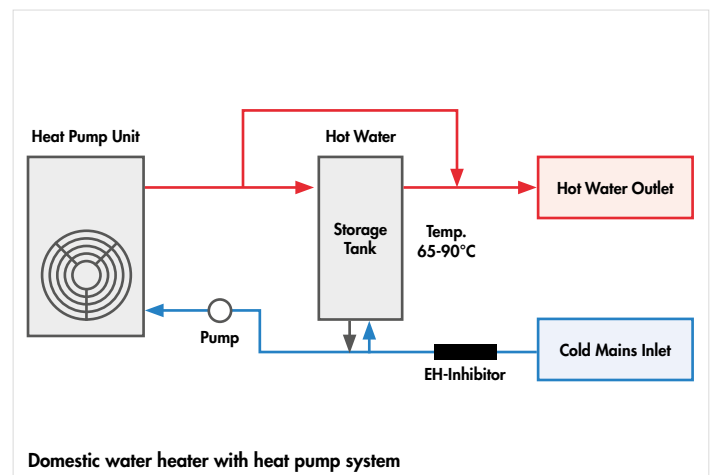
Effective solution in **preventing hard water limescale buildup** and **gently removing existing limescale**

Protecting the mains water circuit of electric domestic heating & hot water immersion systems, including those with heat pumps (JS versions available for non-electric / general use)

**Proven longevity** with no decline in performance













**Requires no electrical power** and **maintenance free** with no filters or chemicals to replenish

Made in Japan



Scalemaster® Suprion Scale Inhibitors		Connectable Pipe	Diameter	Length	Fittings Supplied	Fittings Required	Max. Flow Rate
950211	EH-12E 15mm	15mm	29mm	132mm	15mm Compression	–	36 l/min
950228	EH-75	22mm	44mm	142mm	–	¾" BSPT	65.9 l/min
950235	EH-100	28mm	50mm	165mm	–	1" BSPT	108 l/min

# Hydronic UFH

Section	Page No.
<b>Manifold</b>	
Stainless Steel Manifold (Hydraulic Balancing)	36
230V UFH Actuator	37
<b>Blending Valve + Pump Pack</b>	
Blending Valve + Pump Pack	38
<b>Single Room Control Pump Pack</b>	
Single Room Control Pump Pack	39
Replacement Bastion Pump	39
Replacement Wilo Pump	39
<b>Pipes</b>	
3 Layers PE-RT EVOH Pipe (12mm x 1.6mm)	40
5 Layers PE-RT EVOH Pipe (16mm x 2mm)	40
Pert-AL-Pert Pipe (12mm x 1.6mm)	40
Pert-AL-Pert MLCP Pipe (16mm x 2mm)	40
<b>Accessories + Ancillaries</b>	
Standard Clip Gun + Tracker Clips	41
Aluminium Spreader Plate	41
Premier Uncoiler	41
Pressure Test Pump	41
Plastic Star Reamer (12mm, 16mm, 20mm)	41
Eurocone Fittings	41
Plastic Elbow	41
Track Rail Universal 14-16mm (With Tape)	41
<b>Tools + Spares</b>	
 MLCP Calibration Beveling Set	42
 Pipe Cutter	42
 Flow Meter Spare	42
 1" Ball Valve (with Temp Gauge Set Red + Blue – Pair)	42
 ¾" Ball Valve Set (for Blending Valve Red + Blue – Pair)	42
<b>Panels</b>	
 SpiderFix Panels	43
<b>Floor Boards</b>	
Fibre Reinforced Gypsum Board	44
Hlgh Performance Chipboard	44
Routed Extruded Polystyrene Board (XPS300)	45
 Routed Extruded Polystyrene Board (XPS500)	45
 EPS Board	46
 CEM XPS Board	46
 Thermal Perimeter Edge Strips	47
 Acoustic Edge Roll	47
 Acoustic 'L' Shaped Flanking Strips	47

## Our frequently ordered Hydronic UFH products...



**Stainless Steel Manifold  
(Hydraulic Balancing)**  
Page 36



**Blending Valve  
+ Pump Pack  
(Bastion Pump)**  
Page 38



**Single Room  
Control Pump Pack  
(Wilo Pump)**  
Page 39

# Underfloor Heating Designs Made Simple

**All-in-one tool for calculating, designing, specifying and drawings.**

**Heat Load Calculations**

Simplify your heat load calculations in alignment with industry standards

**System Sizing**

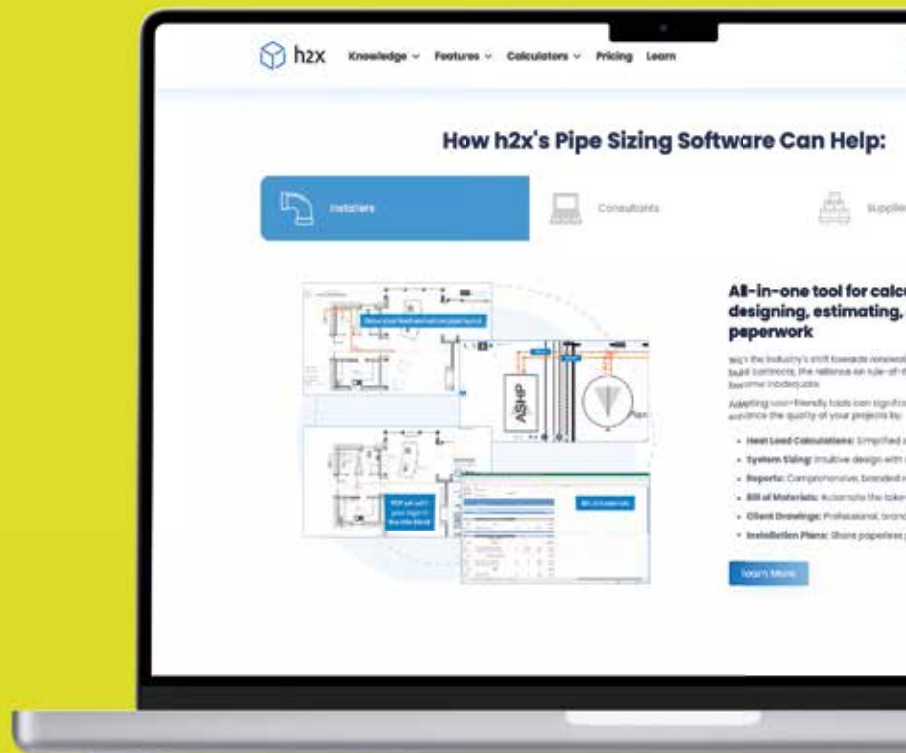
Automatically generate loop layouts with required pipe spacings

**Reports + Client Drawings**

Generate branded drawings and reports including system performance, energy usage and more

**Bill of Materials**

Download the automatically generated, detailed Bill of Materials with product specification



Get your free 2-week trial and/or book a free demo today at [www.h2xengineering.com](http://www.h2xengineering.com)

# Manifold

## Guarantees

**5** Years  
on Stainless Steel Manifold

### Stainless Steel Manifold in 2 to 12 Ports (Hydraulic Balancing)

Stainless Steel manifold for HVAC systems with Hydraulic Balancing and independent setting from each individual circuit.

#### Features + Benefits

Pre-fitted mounting bracket

1" isolation ball valve with temperature gauge  
(flow and return)

Built-in pressure gauge

Balancing valve on each return point

Flow meter on each flow point with shut-off function

Fill and drain point on flow and return

Manual air vent

Independent setting for each circuit

Suitable for water or glycol (Maximum 30% glycol)

6 Bar maximum working pressure

5°C to 70°C working temperature range

¾" flow/return connections (12 mm and 16 mm Euro  
cone pipe connections sold separately)

50mm centres on flow/return connections

Left or Right Inlet/Outlet

0–5L/min flow meter scale

G1" F (ISO 228-1) main connections

G¾" M (ISO 228-1) outlets

Finish – Stainless Steel

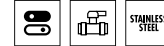
Seals – EPDM

Handle – ABS

Springs – Stainless Steel

Brackets – Chrome plated steel

Adaptors – Brass



**IN-116602-AB-BV** Manifold (2 Port)

**IN-116603-AB-BV** Manifold (3 Port)

**IN-116604-AB-BV** Manifold (4 Port)

**IN-116605-AB-BV** Manifold (5 Port)

**IN-116606-AB-BV** Manifold (6 Port)

**IN-116607-AB-BV** Manifold (7 Port)

**IN-116608-AB-BV** Manifold (8 Port)

**IN-116609-AB-BV** Manifold (9 Port)

**IN-116610-AB-BV** Manifold (10 Port)

**IN-116611-AB-BV** Manifold (11 Port)

**IN-116612-AB-BV** Manifold (12 Port)



No. of Outlets	2	3	4	5	6	7	8	9	10	11	12
Manifold width / mm	126	176	226	276	326	376	426	476	526	576	626

Turns	1.25	1.5	1.75	2	2.5	3	3.5	F.O.
Kv	0.12	0.33	0.47	0.57	0.77	0.88	0.95	1.02

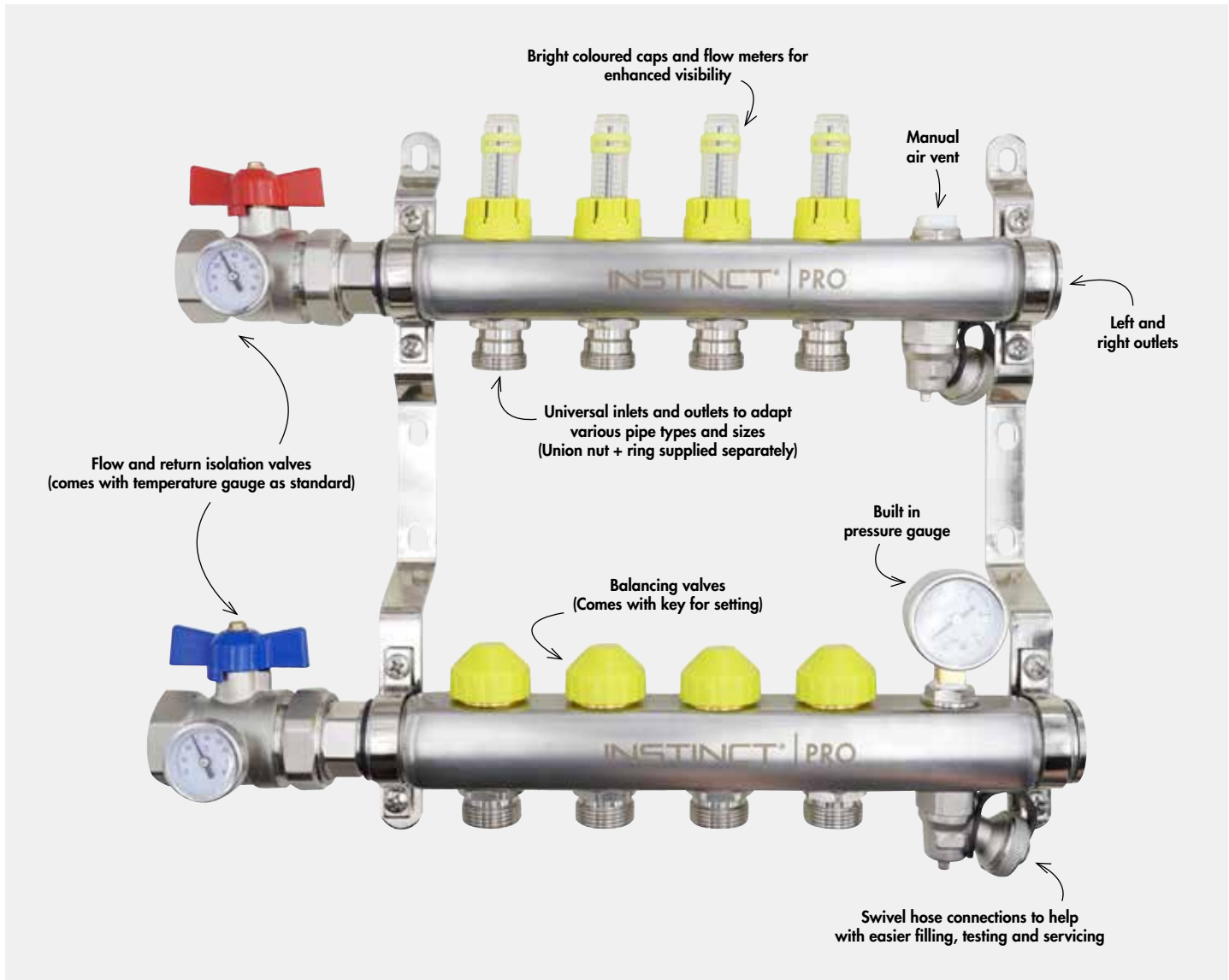
No. of Outlets	1	2	3	4	5	6	7	8	9	10	11	12
Kv	1.02	1.65	2.23	2.55	2.81	2.97	3.13	3.26	3.34	3.38	3.42	3.50

**Guarantees**

- 5** Years on Stainless Steel Manifold
- 5** Years on 230V UFH Actuator

# Manifold

**Instinct Pro Hydraulic Balancing Manifold and Gauges – Makes for Easy Installation, Commissioning and On-Site Testing**



**230V UFH Actuator**

The valve actuator helps improve the energy efficiency of the system by allowing individual room temperature control.

**Features + Benefits**

- Normal Closed (NC)
- Complete compatibility to valve adapter system
- Simple snap-on installation
- 360° installation position
- Patented 100% protection against leaky valves
- First open function (NC type only)
- Adaptation check on valve
- Alignment aid on the valve
- Surge protection
- Certified by LL-C

Finish – Yellow  
 Dimensions – 62(h) x 42(w) x 42(d) mm  
 Stroke – 3mm  
 Power Consumption – 2W

**IN-2033-230V** 230V UFH Actuator



Specification	
Operating Voltage	24V/230V AC (+/-15%) 50/60Hz
Maximum Inrush Current	< 200mA during 100ms max
Operating Power	2W
Stroke (Actuator Travel)	3mm
Actuating Force	100 N +10%
Storage Temperature	-25°C to +60°C
Degree of Protection	II
Type of Protection	IP54
CE Conformity	EN 60730 EN 61000
Connecting Cable/Colour	2 x 0.5mm² PVC / Light Grey
Cable Length	1m
Surge Protection	2.5 kV
According to EN60335-1	



# Blending Valve + Pump Pack

## Guarantees

**5** Years on Blending Valve   **5** Years on Bastion Pump   **2** Years on Wilo Pump



### Blending Valve + Pump Pack (Bastion Pump)

Designed to work with manifolds of all types, on 210mm centres. The thermostatic blending valve is a bolt on unit providing a quick and simple system to install.

#### Features + Benefits

Supplied with A-rated 6m **Bastion Pump** and 3/4" ball valves

The water supply temperature can be adjusted according to the structure of the floor

Designed for heat pump and low temperature systems that do require a thermostatic control valve

Left or right connections (Reversible)

Suitable for water or glycol (Maximum 30% glycol)

**35°C to 60°C** temperature range

**6 Bar** maximum working pressure

≤ **0.20** energy efficiency index (EEI)

**6m** maximum delivery head

**3.0m³/h** maximum volume flow

Dimensions – 300(h) x 196(w) x 128(d) mm

Weight – 3.7kg



**IN-2536J+BAS-PUMP**

UFH Blending Valve + Pump Pack (Bastion Pump)



### Blending Valve + Pump Pack (Wilo Pump)

Designed to work with manifolds of all types, on 210mm centres. The thermostatic blending valve is a bolt on unit providing a quick and simple system to install.

#### Features + Benefits

Supplied with A-rated 6m **Wilo Pump** and 3/4" ball valves

The water supply temperature can be adjusted according to the structure of the floor

Designed for heat pump and low temperature systems that do require a thermostatic control valve

Left or right connections (Reversible)

Suitable for water or glycol (Maximum 30% glycol)

**35°C to 60°C** temperature range

**6 Bar** maximum working pressure

≤ **0.20** energy efficiency index (EEI)

**6.3m** maximum delivery head

**2.6m³/h** maximum volume flow

Dimensions – 302(h) x 230(w) x 122(d) mm

Weight – 1.87kg



**IN-2536J+WILO-PUMP**

UFH Blending Valve + Pump Pack (Wilo Pump)

**Guarantees**

- 5** Years on Single Room Control Pump
- 5** Years on Bastion Pump
- 2** Years on Wilo Pump

# Single Room Control Pump Pack



### Single Room Control Pump Pack (Bastion Pump)

UFH control pack for providing temperature controlled mixed water in single room applications to an underfloor heating system with a heat output up to 3Kw.

**Features + Benefits**

Pre-wired A-rated 6m **Bastion Pump**

Flow Temperature Thermostat

Integral ball valves for connecting/isolating the primary heating system

Adjustable thermostatic blending valve

Includes 1/2" to 3/4" fittings excluding euro cones

Fixing bracket with **anti-vibration mountings for silent operation**

**35°C to 60°C** temperature range

**10 Bar** maximum working pressure

≤ **0.20** energy efficiency index (EEl)

**6m** maximum delivery head

**3.0m³/h** maximum volume flow

Dimensions – 302(h) x 230(w) x 132(d) mm

Weight – 4.265kg



**IN-2532J+BAS-PUMP**

UFH Single Room Control Pump Pack (Bastion Pump)

### Single Room Control Pump Pack (Wilo Pump)

UFH control pack for providing temperature controlled mixed water in single room applications to an underfloor heating system with a heat output up to 3Kw.

**Features + Benefits**

Pre-wired A-rated 6m **Wilo Pump**

Flow Temperature Thermostat

Integral ball valves for connecting/isolating the primary heating system

Adjustable thermostatic blending valve

Includes 1/2" to 3/4" fittings excluding euro cones

Fixing bracket with **anti-vibration mountings for silent operation**

**35°C to 60°C** temperature range

**10 Bar** maximum working pressure

≤ **0.20** energy efficiency index (EEl)

**6.3m** maximum delivery head

**2.6m³/h** maximum volume flow

Dimensions – 302(h) x 230(w) x 132(d) mm

Weight – 2.43kg



**IN-2532J+WILO-PUMP**

UFH Single Room Control Pump Pack (Wilo Pump)

## Replacement Pumps



### Bastion Pump

Dimensions – 130(h) x 90(w) x 127(d) mm



### Wilo Pump

Dimensions – 139(h) x 93.5(w) x 123(d) mm

## Pipes

Guarantees

**50** Years  
on UFH Pipes

## PERT EVOH Lightweight + Ultra-Flexible Pipe

**PERT EVOH Pipe (12mm – 3 Layers)**

The INSTINCT PRO 12mm 3-layer pipe is made up of an oxygen barrier, a layer of adhesive, and a layer of PERT pipe. **Lightweight** and **ultra-flexible, easy to bend**, our PERT EVOH 12mm barrier pipe is the ideal choice for hassle-free routing and reduced installation time.

**Features + Benefits**Pipe Dimensions – **12mm x 1.6mm, 3 Layers**

Finish – Yellow

IN-PE12080	12mm x 80m Coil (Weight – 4.3kg)
IN-PE12320	12mm x 320m Coil (Weight – 17.0kg)

**PERT EVOH Pipe (16mm – 5 Layers)**

The INSTINCT PRO 16mm 5-layer pipe is made up of an oxygen barrier, 2 layers of adhesive, and 2 layers of PERT pipe. **Lightweight** and **ultra-flexible, easy to bend**, our PERT EVOH 16mm barrier pipe is the ideal choice for hassle-free routing and reduced installation time.

**Features + Benefits**Pipe Dimensions – **16mm x 2mm, 5 Layers**

Finish – Yellow

IN-PE16120	16mm x 120m Coil (Weight – 10.4kg)
IN-PE16240	16mm x 240m Coil (Weight – 20.7kg)
IN-PE16300	16mm x 300m Coil (Weight – 25.8kg)
IN-PE16500	16mm x 500m Coil (Weight – 43.0kg)

## PERT-AL-PERT (MLCP) Aluminium Lined Pipe

**PERT-AL-PERT Pipe (12mm – 5 Layers)**

A flexible yet durable solution, the aluminium layer provides strength and also an oxygen barrier. made up of 2 layers of PERT pipe, 2 layers of adhesive, and 1 layer of aluminium. Our professional-grade PERT-AL-PERT 12mm (multilayer) pipe is the perfect choice for underfloor heating installations, offering the benefits of both plastic and metal.

**Features + Benefits**Pipe Dimensions – **12mm x 1.6mm, 5 Layers**

Finish – White

IN-PAP12080	12mm x 80m Coil (Weight – 5.2kg)
IN-PAP12160	12mm x 160m Coil (Weight – 10.3kg)
IN-PAP12240	12mm x 240m Coil (Weight – 15.4kg)

**PERT-AL-PERT Pipe (16mm – 5 Layers)**

A flexible yet durable solution, the aluminium layer provides strength and also an oxygen barrier, made up of 2 layers of PERT pipe, 2 layers of adhesive, and 1 layer of aluminium. Our professional-grade PERT-AL-PERT 16mm (multilayer) pipe is the perfect choice for underfloor heating installations, offering the benefits of both plastic and metal.

**Features + Benefits**Pipe Dimensions – **16mm x 2mm, 5 Layers**

Finish – White

IN-PAP16120	16mm x 120m Coil (Weight – 12.6kg)
IN-PAP16240	16mm x 240m Coil (Weight – 25.2kg)
IN-PAP16500	16mm x 500m Coil (Weight – 52.5kg)

**Guarantees**

**2** Years  
on UFH Accessories + Ancillaries

# Accessories + Ancillaries

## Standard Clip Gun + Tracker Clips

After laying the insulating panel, proceed to lay the pipes with the tracker clips using the clip gun tool. The clips, provided in rows of 25 clips each, must be loaded in the tool, the panels are secured by pressing the handle down.

**Features + Benefits**

For use with **16mm pipe**

Quantity –  
1 (IN-CLG01)  
300 Pack (ZL-CL01 + ZL-CL02)  
Dimensions –  
900(h) x 320(w) x 110(d) mm (IN-CLG01)  
41.6(h) x 37.5(w) x 6(d) mm (ZL-CL01)  
56.5(h) x 36.4(w) x 6.2(d) mm (ZL-CL02)

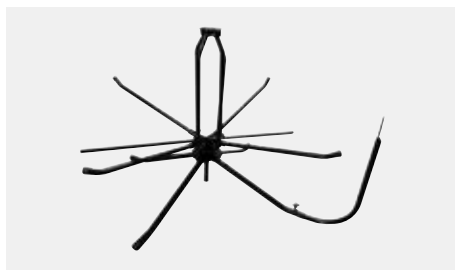
<b>IN-CLG01</b>	Standard Clip Gun
<b>ZL-CL01</b>	40mm Tracker Clips
<b>ZL-CL02</b>	60mm Tracker Clips



## Aluminium Spreader Plate

Quantity – 1  
Dimensions – 390(h) x 1000(w) x 0.45(d) mm  
Pipe Centres –  
IN-AP2 – 200mm  
IN-AP3 – 133mm

<b>IN-AP2</b>	Double Groove Aluminium Plate (Fit 16mm)
<b>IN-AP3</b>	Triple Groove Aluminium Plate (Fit 16mm)



## Premier Uncoiler

Quantity – 1  
Dimensions – 887(h) x 1416(w) x 1416(d) mm  
Max. Coil Size – 1.3m Max Weight – 200kg

**IN-1235E**



## Pressure Test Pump

Quantity – 1  
Dimensions – 160(h) x 490(w) x 160(d) mm

**IN-RP-50**



## Plastic Star Reamer (12mm, 16mm, 20mm)

Quantity – 1  
Dimensions – 90(h) x 90(w) x 26(d) mm

**ZL-RE01**



## Eurocone Fittings

Quantity – 1  
Dimensions –  
31.6(h) x 31.6(w) x 18(d) mm (ZL-1036/12/1.6)  
32(h) x 32(w) x 17.5(d) mm (ZL-1039/16)

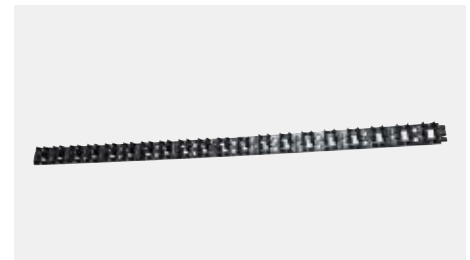
<b>IN-ZL-1039/12/1.6</b>	12 x 1.6 For Multi/Pex (2 Pack)
<b>IN-ZL-1039/16</b>	16 x 2.0 For Multi/Pex (2 Pack)



## Plastic Elbow

Quantity – 1  
Dimensions – 165(h) x 75(w) x 24.5(d) mm  
To Fit Pipe Size – 16mm

**ZL-PE01**



## Track Rail Universal 14-16mm (With Tape)

Quantity – 1  
Dimensions – 1000(h) x 45(w) x 24(d) mm

**IN-CR02**

## Tools + Spares

Guarantees

**2** Years  
on UFH Tools + Spares

new

**MLCP Calibration Beveling Set**

For multilayer composite and Pex pipe up to Ø32mm.

**Features + Benefits**Cutting device made of steel for **long lifetime** and with **sharp cutting edge**

Large opening for removing pipe chips

Anodic oxidation aluminium alloy sleeve is **light** and **wear-resisting**

Hexagonal connector for changing different sizes easily, for handle, standard bit connectors or cordless screw driver

Ø16, 20, 25, 32mm deburring range

Quantity – 1

Dimensions –  
227(h) x 110(w) x 60(d) mm

ZL-1236

new

**Pipe Cutter**

This pipe cutter is ideal for effectively cutting multilayer underfloor heating pipe. Quick and simple to use and designed to ensure a smooth clean cut that will not damage the pipe.

Quantity – 1

Dimensions – 248(h) x 38(w) x 39(d) mm

IN-PA01

new

**Flow Meter Spare**

This flow meter is uniquely designed to work with INSTINCT PRO manifolds, providing accurate and reliable flow readings.

Quantity – 1

Dimensions – 30.5(h) x 36.5(w) x 101(d) mm

IN-1211

new

**1" Ball Valve (with Temp Gauge Set Red + Blue – Pair)**

The 1" Ball Valve and Temperature Gauge Set delivers precision, durability, and ease of use, making it an essential component for any manifold system.

Quantity – 1

Dimensions – 103(h) x 70(w) x 74(d) mm

ZL-4012

new

**3/4" Ball Valve Set (for Blending Valve Red + Blue – Pair)**

These 3/4" Isolation Ball Valves (supplied as a red/blue pair) are for isolating the underfloor heating manifold and pump set from the heating system.

Quantity – 1

Dimensions – 82(h) x 40(w) x 65(d) mm

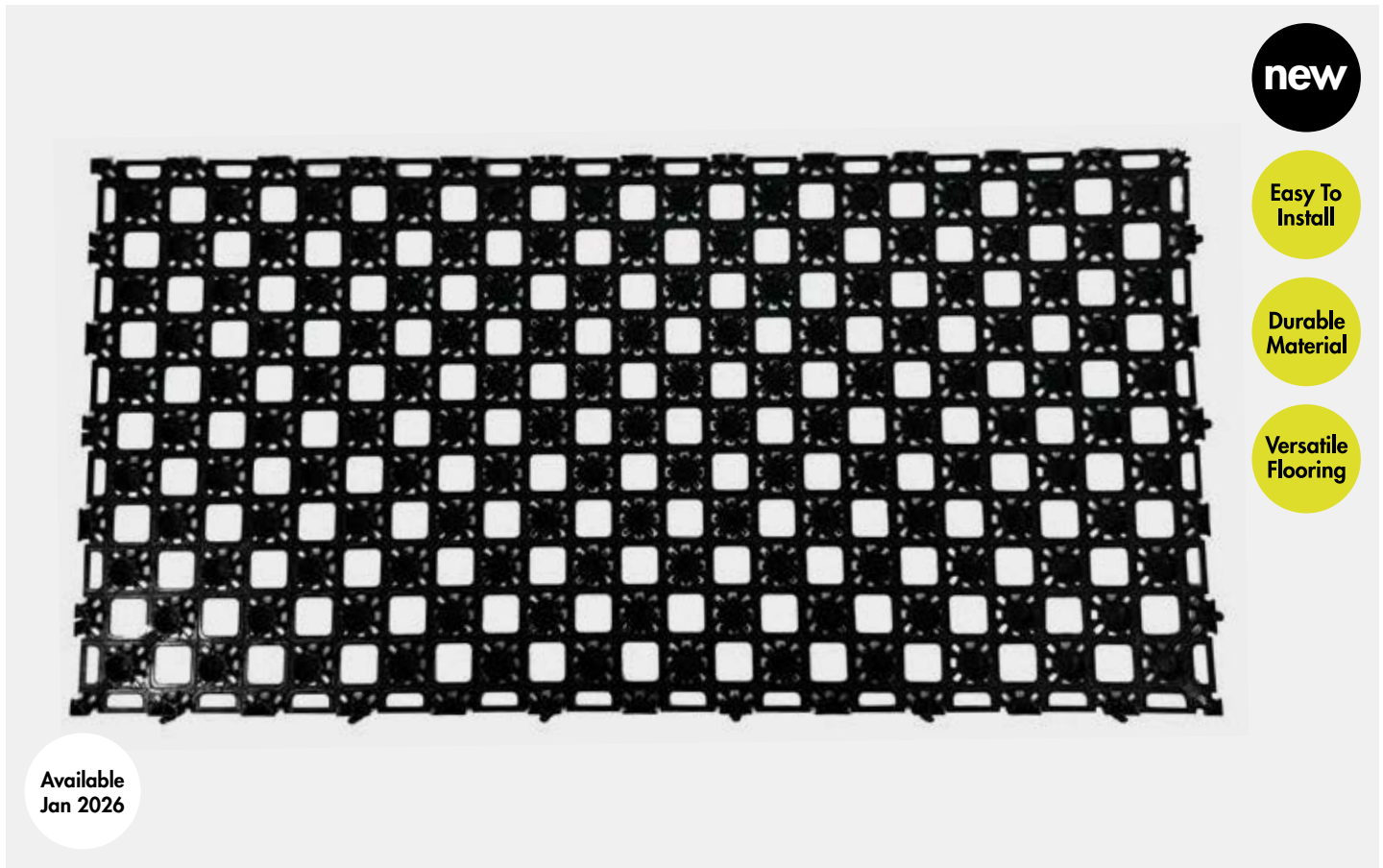
ZL-4130B

**Guarantees**

**2** Years  
on SpiderFix Panels

**Panels**

**SpiderFix Panel – A low-profile design maximises floor-to-ceiling height and speeds up heat response**



**SpiderFix Panel**

The SpiderFix Panel is a robust injection-molded board made from 100% recycled plastic, designed to hold 12–16mm underfloor heating pipes securely in place. Its low-profile build makes it suitable for both retrofit and new-build projects. With self-adhesive backing, interlocking connectors, and easy cutting grooves, the panels are quick to install and adaptable to different room layouts. Once laid, they provide a stable base for floor finishes and help ensure an accurate pipe layout with consistent heat distribution.

**Features + Benefits**

Self-adhesive panels with interlocking edges and trimming lines for **quick, accurate fitting**

Works with wood, interlocking boards, LVT, linoleum, carpet and tiles

Ensures even heat distribution, stable pipe fixing and improved system response

**High-strength** injection-molded plastic designed to **resist wear** and **deformation**

Snap-clips connect panels securely for a continuous surface

Cutting grooves at 50mm intervals for easy trimming and adjustments

**Low-profile design** maximises floor-to-ceiling height and speeds up heat response

**1200 x 600 x 16.5mm**, routed to accept 12mm pipe (SP-12)

**1200 x 600 x 20mm**, routed to accept 16mm pipe (SP-16)

Adjustable pipe spacing accommodates **50mm, 100 mm** and **150–300mm centres** for flexible pipe layouts

**With Flowing Screed**

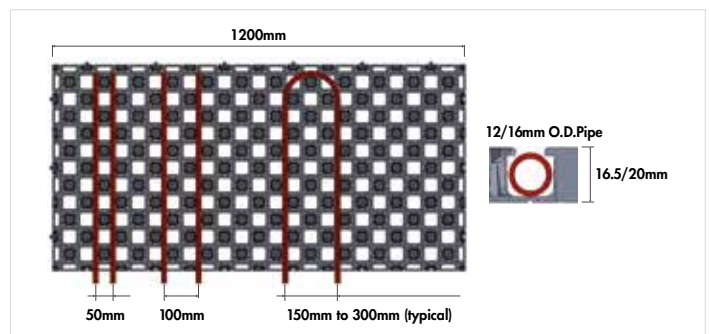
Recommended overall screed/ levelling compound + floor covering thickness (domestic use, normal foot traffic)

**Direct on subfloor –**

Tiles/Wood 20–25 mm, LVT/Linoleum/Carpet 25–30mm

**Over Insulation Boards –**

Tiles/Wood/LVT/Linoleum/Carpet 30–35 mm



SP-12 SpiderFix Panel (for 12mm Pipe)

SP-16 SpiderFix Panel (for 16mm Pipe)

# Floor Boards



## Fibre Reinforced Gypsum Board

Low profile high performance underfloor heating board. Manufactured from reinforced gypsum, the CNC routed panels are engineered to provide optimum underfloor heating conditions in new build and refurbishment developments.

100% dry system that is able to accept various floor finishes (carpets, wood floors, ceramic tiles etc) with 24 hours of installation. A significant time saving benefit over wet system alternatives.

### Features + Benefits

Efficient and fast transfer of heat

Suitable for all types of 12 and 16mm pipework

High heat retention

Can be installed as an acoustic system on separating floors

**Straights, circles, radius returns** and **universal** CNC routing options

**0.32 Wmk** thermal conductivity

Pipe centres on the board are **150mm**

### T+G Board (Grooved + Straight)

INHEATS0181200T&G 1200 x 600 x 18mm for 12mm Pipes

### T+G Board (with Serpentine Looped Returns)

INHEATSR0181200T&G 1200 x 600 x 18mm for 12mm Pipes

### T+G Board (with Serpentine Loops + 3 Cross Runs)

INHEATRU0181200T&G 1200 x 600 x 18mm for 12mm Pipes

### Grooved + Straight UFH Board (with Serpentine Looped Returns)

INHEATS018800 800 x 600 x 18mm for 12mm Pipes

INHEATS0251000 1000 x 500 x 25mm for 16mm Pipes

### Grooved UFH Board (with Serpentine Looped Returns)

INHEATSR0181200 1200 x 600 x 18mm for 12mm Pipes

INHEATSR0251000 1200 x 500 x 25mm for 16mm Pipes

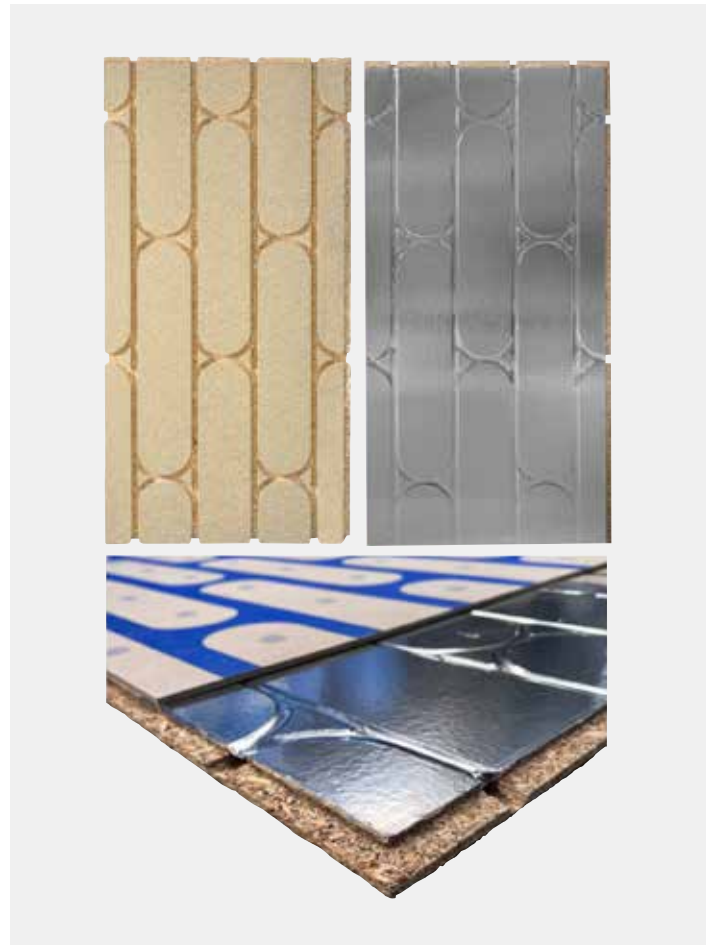
### Grooved UFH Board (with Serpentine Loops + 3 Cross Runs)

INHEATRU0181200 1200 x 600 x 18mm for 12mm Pipes

### Fully Circled End Return UFH Board

INHEATC018600 600 x 600 x 18mm for 12mm Pipes

INHEATC025500 500 x 500 x 25mm for 16mm Pipes



## High Performance Chipboard

High performance chipboard available in 1200mm and 2400mm lengths, with a foil face for even heat transfer. Boards provide extremely efficient and high performance underfloor heating for building occupants. They are ideal for all types of developments including residential, care homes and offices.

This system is ideal for replacing existing floor boarding on timber joisted floors as it has minimal impact on floor heights.

### Features + Benefits

High heat output, with foil facing and pipe centre options

Suitable for all types of 12 and 16mm pipework

Faster response times – UFH pipes are closer to surface finish than traditional FFB (fit from below) installation

Structurally tested to comply with BS:EN1195

**0.6%** moisture absorption

Pipe centres on the board are **150mm**

### Plain Faced UFH Chipboard

INCHIP0226001200R-12/150 1200 x 600 x 22mm for 12mm Pipes

INCHIP0226001200R-16/150 1200 x 600 x 22mm for 16mm Pipes

INCHIP0226002400R-12/150 2400 x 600 x 22mm for 12mm Pipes

INCHIP0226002400R-16/150 2400 x 600 x 22mm for 16mm Pipes

### 50mu Foil Faced UFH Chipboard

INCHIP0226001200R-FF-12/150 1200 x 600 x 22mm for 12mm Pipes

INCHIP0226001200R-FF-16/150 1200 x 600 x 22mm for 16mm Pipes

INCHIP0226002400R-FF-12/150 2400 x 600 x 22mm for 12mm Pipes

INCHIP0226002400R-FF-16/150 2400 x 600 x 22mm for 16mm Pipes

### Fibre Cement Cover Boards (Printed with Pipe Layout Design)

INBACKER0061200900PRINT 1200 x 900 x 6mm

# Floor Boards



## Routed Extruded Polystyrene Board (XPS300)

A range of high quality underfloor heating insulation boards provide extremely high compressive strength, with 300kPa from 18mm thickness offered as standard.

These high performance underfloor heating panels are ideal for new build and refurbishment projects, and are ideal for all types of developments including offsite, residential and commercial applications.

### Features + Benefits

High thermal performance, with an option of foil facing

Suitable for all types of 12 and 16mm UFH pipes, multiple thickness' available

Ultra high compressive strength and high heat transfer

Can be used as part of an acoustic system on separating floors

**0.034 Wmk** thermal conductivity

**300kPa** compressive strength

**<0.7% (EN 12087)** moisture absorption

Pipe centres on the board are **150mm**

## Routed Extruded Polystyrene Board (XPS500)

A range of high compressive strength extruded polystyrene underfloor heating boards, with 500kPa offered as standard.

These high performance under floor heating panels are ideal for new build and refurbishment projects, and are ideal for all types of developments including offsite, residential and commercial applications.

### Features + Benefits

High thermal performance, with an option of foil facing

Suitable for all types of 12 and 16mm UFH pipes, multiple thickness' available

Ultra high compressive strength and high heat transfer

Can be used as part of an acoustic system on separating floors

**0.034 Wmk** thermal conductivity

**500kPa** compressive strength

**<0.7% (EN 12087)** moisture absorption

Pipe centres on the board are **150mm**

Plain Faced UFH Heating Panel (with Serpentine Loops + 3 Cross Runs)	
INXPS0186001200(300)R-12/150	1200 x 600 x 18mm for 12mm Pipes
INXPS0206001200(300)R-16/150	1200 x 600 x 20mm for 16mm Pipes
INXPS0256001200(300)R-16/150	1200 x 600 x 25mm for 16mm Pipes
50mu Foil Faced UFH Panel (with Serpentine Loops + 3 Cross Runs)	
INXPS0186001200(300)12/150-FF	1200 x 600 x 18mm for 12mm Pipes
INXPS0206001200(300)16/150-FF	1200 x 600 x 20mm for 16mm Pipes
INXPS0256001200(300)R-16/150-FF	1200 x 600 x 25mm for 16mm Pipes

Plain Faced UFH Heating Panel (with Serpentine Loops + 3 Cross Runs)	
INXPS166001200(500)12/150	1200 x 600 x 16mm for 12mm Pipes
INXPS206001200(500)16/150	1200 x 600 x 20mm for 16mm Pipes
50mu Foil Faced UFH Panel (with Serpentine Loops + 3 Cross Runs)	
INXPS166001200(500)12/150FF-50	1200 x 600 x 16mm for 12mm Pipes
INXPS206001200(500)16/150FF-50	1200 x 600 x 20mm for 16mm Pipes
100mu Foil Faced UFH Panel (with Serpentine Loops + 3 Cross Runs)	
INXPS166001200(500)12/150FF-100	1200 x 600 x 16mm for 16mm Pipes
INXPS206001200(500)16/150FF-100	1200 x 600 x 20mm for 16mm Pipes

# Floor Boards

new



## EPS Board

High compressive strength underfloor heating boards, featuring CNC grooved channels for UFH pipes to be installed. A foil-faced version of the boards is also available, offering even greater heat outputs

EPS insulation boards provide extremely efficient and high performance under floor heating for building occupants and are ideal for residential developments.

### Features + Benefits

High compressive strength with an option of aluminium foil facing

Suitable for all types of 12 and 16mm UFH pipes, multiple thickness' available

Excellent thermal resistance

Can be used as part of an acoustic floating floor system

**0.033 Wmk** thermal conductivity

**400kPa** compressive strength

Pipe centres on the board are **150mm**

### Plain Faced UFH Heating Panel (with Serpentine Loops + 3 Cross Runs)

INEPS0206001200(400)R-16/150 1200 x 600 x 20mm for 16mm Pipes

INEPS0256001200(200)R-16/150 1200 x 600 x 25mm for 16mm Pipes

### 50mu Foil Faced UFH Panel (with Serpentine Loops + 3 Cross Runs)

INEPS206001200(400)FF12150-50 1200 x 600 x 20mm for 16mm Pipes

INEPS0256001200(200)FF-12/150 1200 x 600 x 25mm for 16mm Pipes

### 100mu Foil Faced UFH Panel (with Serpentine Loops + 3 Cross Runs)

INEPS206001200(400)FF12150-100 1200 x 600 x 20mm for 16mm Pipes

new



## CEM XPS Board

These boards are the ideal solution when looking for a low profile overlay board for tiled floor applications.

The light weight extruded polystyrene (XPS) core panels are faced on both sides with a glass fibre reinforcement mesh and cementitious coating.

### Features + Benefits

Efficient and fast transfer of heat

Suitable for all types 12 and 16mm pipework

High compressive strength

Ideal for tiled flooring to be laid directly over

**Straights, radius returns** and **universal** CNC routing options

**0.033 Wmk** thermal conductivity

**300kPa** compressive strength

Pipe centres on the board are **150mm / 60mm**

### Grooved + Straight Heating Panel

INHEATBB206001200(20-S)16/150 1200 x 600 x 20mm for 16mm Pipes

### Grooved Heating Panel (with Serpentine Looped Returns)

INHEATBB206001200(20-SR)16/150 1200 x 600 x 20mm for 16mm Pipes

### Grooved Heating Panel (with Serpentine Loops + 3 Cross Runs)

INHEATBB206001200(20-U)16/150 1200 x 600 x 20mm for 16mm Pipes

### Straight Grooved Flow + Return Highway Panel

INHEATBB206001200(20-H)16/60 1200 x 600 x 20mm for 16mm Pipes

### Fully Circled Bi-Directional + Triangle Fix Board

INHEATBB206001200(20-C)16/150 1200 x 600 x 20mm for 16mm Pipes

### Half Circled + Triangle Fix Board

INHEATBB206001200(20-R)16/150 1200 x 600 x 20mm for 16mm Pipes

### Grooved Half Circled, Triangular Fix Board + 6 Cross Runs

INHEATBB206001200(20-IN)16/150 1200 x 600 x 20mm for 16mm Pipes

# Floor Boards

Quick To Install

new



## Thermal Perimeter Edge Strips

A range of high performance perimeter edge strips, offering a thermal break on the perimeter of each heated floor and also allowing for contraction and expansion of all types of screeded floor finishes.

The closed cell polyethylene foam rolls are available with options of bonded PVC apron and self adhesive backing.

Successful installation of perimeter edge strips will also help with the overall thermal performance to achieve specific U-value and general part L regulations.

### Features + Benefits

**Lightweight, easy to handle and quick to install**

**100% recyclable** (Zero VOC's, Zero CFC's, Zero ODPs, GWP <5)

Available in multiple widths and lengths

Will improve the overall thermal performance and efficiency of floors

**-40°C to +60°C** working temperature

**0.02 - 0.03 mg/cm<sup>2</sup>** water absorption

**Extruded closed cell polyene foam** material

Finish – Blue and Grey  
Quantity – 1

### Bond PVC Apron

**INDGET0510050** 5mm x 100mm x 50m rolls

### Bond PVC Apron + Self Adhesive Backing

**INDGET0815025ADH** 8mm x 150mm x 25m rolls

### Bond PVC Apron + Self Adhesive Backing – Low Profile Edge Strip

**INDGET0510025SA** 5mm x 100mm x 25m rolls

Quick To Install

new



## Acoustic Edge Roll

High performance straight edge acoustic flanking strips. Install in conjunction with acoustic flooring and wall lining products to isolate the treatments from walls, skirting boards and all abutments, reducing the risk of flanking transmission occurring and acoustic failure.

### Features + Benefits

Isolate floors and walls to prevent floors failing Part E sound testing

Available in multiple widths

**Lightweight, easy to handle and quick to install**

**100% recyclable** (Zero VOC's, Zero CFC's, Zero ODPs, GWP <5)

**-40°C to +60°C** working temperature

**0.02 - 0.03 mg/cm<sup>2</sup>** water absorption

**Extruded closed cell polyene foam** material

Finish – White  
Quantity – 1  
Dimensions – 100(h) x 600(w) x 600(d) mm

**INDGEA0510050**

5mm x 100mm x 50m

Quick To Install

new



## Acoustic 'L' Shaped Flanking Strips

Acoustic 'L' shaped soundproofing strips installed around the floor perimeter of acoustic floor treatments. They isolate the acoustic flooring from the walls and skirting boards / door frames, and prevent potential acoustic flanking transmission occurring.

### Features + Benefits

White colour speeds up build times compared to other colour options

Isolate floating floor and prevent floors failing Part E sound testing

**Lightweight, easy to handle and quick to install**


**100% recyclable** (Zero VOC's, Zero CFC's, Zero ODPs, GWP <5)

Finish – White  
Quantity – 1  
Dimensions – 32(h) x 32(w) x 2000(d) mm

**INDGEL09032**

32mm x 32mm x 2000mm

# Electric UFH

Section	Page No.
<b>Materials</b>	
DCM-PRO™	50
StickyMat™	52
Warmup Ultralight™	53
<b>Thermostats</b>	
 Warmup 7iE™ Smart Matter WiFi Thermostat	54
Warmup Element™ WiFi Thermostat	55
Warmup Tempo™ Programmable Thermostat	55

## Our frequently ordered Electric UFH products...












**Warmup Element™ WiFi Thermostat**  
Page 55



**Warmup 7iE™ Smart Matter WiFi Thermostat**  
Page 54

# Electric UFH

Thermostats		Display				Connectivity			Safety	
										
Range	Page No.	Touch Control	Customise Display	Colour Display	Mono Display	WiFi Control	App Control	Compatible with Smart Devices	IP20 Rated	IP33 Rated
<b>new</b> Warmup ZiE™ Smart Matter WiFi Thermostat	54	●	●	●		●	●	●		●
Warmup Element™ WiFi Thermostat	55	●		●		●	●	●		●
Warmup Tempo™ Programmable Thermostat	55				●				●	

## Electric Underfloor Heating Features

There are many features in our electric underfloor heating range. Use the icons to help choose the right option for you.



**Touch Controls**  
Multi function touchscreen providing effortless control at your fingertips.



**Customise Display**  
Personalise with photo backgrounds, the only underfloor heating thermostat with this ability.



**Colour Display**  
Clear graphical display makes any adjustment quick and easy. Choose the display style that suits you best – wide choice of screen themes.



**Mono Display**  
Easy-to-use interface and intuitive design enables end users to choose the time as easily as they would with a watch or clock and quickly set their programs.



**WiFi Control**  
Allows you to link your thermostat with your home's existing Smart technologies such as the Amazon Echo or Google Home.



**App Control**  
SmartGeo is a unique technology developed by Warmup and built into the MyHeating App that uses an advanced algorithm to understand the most efficient heat settings for your home.



**Compatible with Smart Devices**  
Monitor your energy + cost graphs on mobile, tablet and desktop.



**IP20 Rated**  
The thermostat is touchproof and will be resistant to dust or objects that are over 12mm in size. However, it has no protection whatsoever against water.

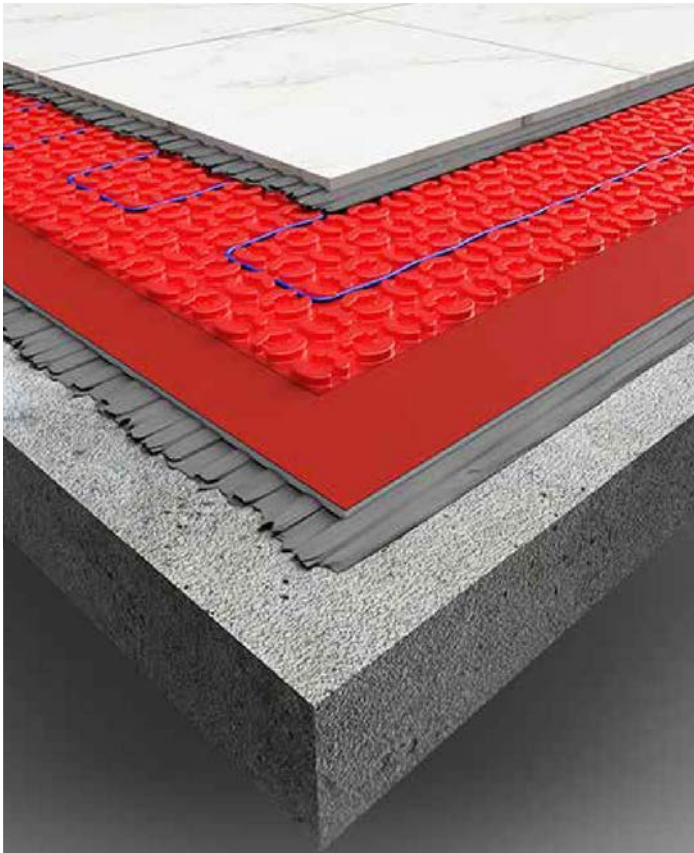


**IP33 Rated**  
The thermostat is protected from tools and wires greater than 2.5mm. Protected from water spray less than 60 degrees from vertical.



# Materials

## DCM-PRO™



Take a closer look at the DCM-PRO™ features video, scan to find out more



### DCM-PRO™ – Heated Decoupling System

Warmup DCM-PRO™ is an electric underfloor heating system that provides anti-fracture protection to tiled floor finishes. There are two alternative decoupling membranes within the range; one is backed with a standard non-woven fleece, the other a peel and stick adhesive, which provides the fastest solution for installing electric underfloor heating.

The patented membranes provide a versatile solution for any heated floor, with the peel and stick version being ideal for rapid installation over Warmup™ insulation or smooth subfloors, while the fleece backed version is better suited to coarse and/or damp surfaces.

#### ● Anti-Fracture Protection

DCM-PRO™ Peel and Stick uses a viscous adhesive that absorbs the strain created as the subfloor grows and shrinks with the seasons, protecting the floor finish from excessive stress that would otherwise cause cracks. DCM-PRO™ Fleece uses a traditional decoupling fleece layer, perfect for use with levellers or for installation on damp or coarse subfloors.

#### ● For a Variety of Floor Finishes

Designed for use under tile and stone floor, the DCM-PRO™ can also be installed under other flooring types including vinyl, carpet and timber by adding a 10 mm layer of levelling compound to the membrane first.

#### ● Fastest to Install

DCM-PRO™ Peel and Stick with its self-adhesive underside can be affixed directly to the subfloor, eliminating the need to use tile adhesive below, significantly reducing installation time.

### Protects Floor from Damage

Rated as high performance, DCM-PRO is proven to protect tiled floors from cracking (ANSI 118.12.5.4).

The self-healing decoupling layer contracts and expands to ideal with seasonal changes, preventing damage occurring from gaps and cracks in the subfloor. (Patent No. GB2548319B).



Protects floor surface from damage caused by subfloor movement.

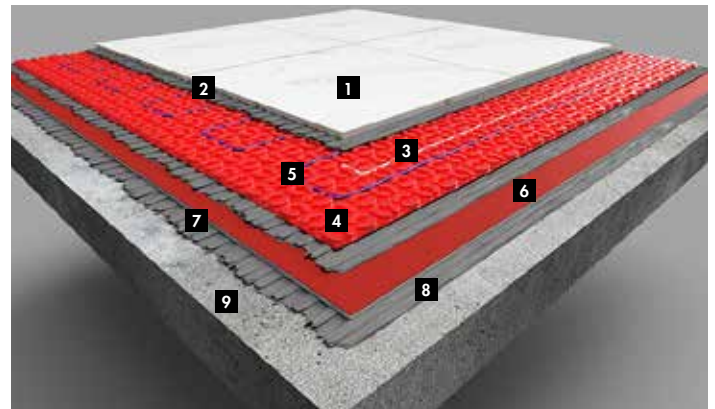


Patented adhesive layer slides and stretches with expansion.



Adhesive layer contracts and self-heals if gap shrinks due to seasonal changes (typical for wood subfloors).

### Typical Floor Build-Up



- 1 Floor Finish
- 2 Flexible Adhesive
- 3 Floor Sensor
- 4 Decoupling Membrane (with adhesive backing)
- 5 Heating Cable
- 6 Warmup Ultralight™ (optional)
- 7 Flexible Tile Adhesive (optional)
- 8 Warmup Primer
- 9 Pre-insulated Subfloor (with a surface regularity of SR1\*)

\*If installing the optional Warmup Ultralight™, refer to its installation manual for its sub floor requirements

### DCM-PRO™ Mat V3 – Specification

Product Code	DCM-PS DCM-F-# (Fleece)
Colour	Red
Dimensions	DCM-#-0.73 – 0.73m <sup>2</sup> Sheet (985mm x 741mm) DCM-#-14 – 14m <sup>2</sup> Roll (985mm x 14.3m)
Composition	Polypropylene mat with peel and stick or fleece backing



## DCM-PRO™

### DCM-PRO™ Cables – Specification

Product Code	DCM-C-#
Connection	3m long coldtail Flat 2 core cable with earth braid
Operating Voltage	230 V AC: 50 Hz
Output Rating	(3 castellations – 90 mm) DCM-C: 150 W/m <sup>2</sup>
Heating Cores	Dual core, multi-strand heating element
ASTM C627	Light Commercial Use
Cable Sheath	Blue
IP Rating	X7
Inner / Outer Insulation	ETFE / PVC
Earth Protection	Metal braiding surrounding heating cores
Min. Install Temp.	-10 °C
Spacing	60 mm / 90 mm / 120mm

### Convenient Sizing

The standard cable spacing is 3 castellations (90mm), but the system is designed to have the cable spacing adjusted to match both power and area requirements:

**DCM-PRO™ 225 W/m<sup>2</sup>** – based on 2 castellations

**DCM-PRO™ 150 W/m<sup>2</sup>** – based on 3 castellations (standard)

**DCM-PRO™ 112.5 W/m<sup>2</sup>** – based on 4 castellations

Heated area at different spacings, m<sup>2</sup>

	Castellations		
	2	3	4
	60mm	90mm*	120mm
	225 W/m <sup>2</sup>	150 W/m <sup>2</sup>	112.5 W/m <sup>2</sup>
DCM-C-1	0.7	1.0	1.3
DCM-C-1.5	1.0	1.5	2.0
DCM-C-2	1.3	2.0	2.7
DCM-C-2.5	1.7	2.5	3.3
DCM-C-3	2.0	3.0	4.0
DCM-C-3.5	2.3	3.5	4.7
DCM-C-4	2.7	4.0	5.3
DCM-C-4.5	3.0	4.5	6.0
DCM-C-5	3.3	5.0	6.7
DCM-C-6	4.0	6.0	8.0
DCM-C-7	4.7	7.0	9.3
DCM-C-8	5.3	8.0	10.7
DCM-C-9	6.0	9.0	12.0
DCM-C-10	6.7	10.0	13.3
DCM-C-12	8.0	12.0	16.0
DCM-C-14	9.3	14.0	18.7
DCM-C-16	10.7	16.0	21.3

### Cable Section



### DCM-PRO™ Mat V3 – Product

	Format	Length	Width
<b>DCM-PS-0.73</b>	DCM-PRO Peel & Stick V3 Mat - 0.73m <sup>2</sup> Sheet	741mm	985mm
<b>DCM-PS-14</b>	DCM-PRO Peel & Stick V3 Mat - 14m <sup>2</sup> Roll	14,252mm	985mm
<b>DCM-F-0.73</b>	DCM-PRO Fleece V3 Mat - 0.73m <sup>2</sup> Sheet	741mm	985mm
<b>DCM-F-14</b>	DCM-PRO Fleece V3 Mat - 14m <sup>2</sup> Roll	14,252mm	985mm

### DCM-PRO™ Cables – Ancillaries

	Format	Length	Height	Width	Thickness
<b>DCM-E-25</b>	Perimeter Edge Strip	25m	–	30mm	10mm
<b>DCM-T-10</b>	Waterproofing Tape	10m	–	120mm	1mm
<b>DCM-R-I</b>	Internal Corner	120mm	60mm	120mm	1mm
<b>DCM-R-E</b>	External Corner	120mm	60mm	120mm	1mm



### F&Qs

**Q – Can the DCM-PRO™ system reduce the risk of my tiled floor developing cracks?**

A – As a decoupling system, the DCM-PRO™ has been designed to absorb the normal lateral movement which occurs when the subfloor and finished floor expand and contract at different rates. This has been backed up with a 'High Performance' rating for crack isolation, as externally tested according to ANSI 118.12.5.4 (American National Standards Institute, www.ansi.org).

**Q – How does the DCM-PRO™ cable fit into the DCM-PRO™ mat?**

A – The DCM-PRO™ cable clips into the castellations of the DCM-PRO™ mat. No tools are required when installing the cable into the mat. It is easily installed by running your foot or thumb along the top of the cable to guide it into the castellations.

**Q – How quickly can I lay a floor finish onto the DCM-PRO™?**

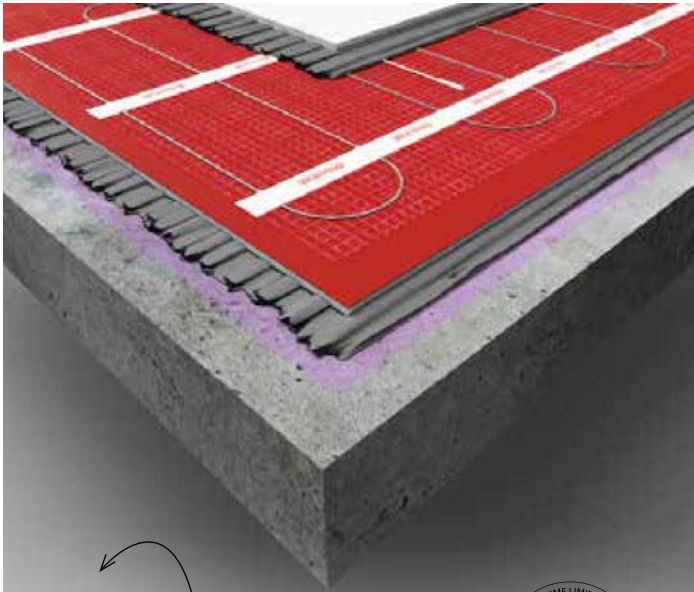
A – Straight away. One of the main advantages of the self-adhesive properties of the DCM-PRO™ is no waiting time. As soon as the mat is fitted, cable installed and cable resistance checked, tiling or self-levelling can be started.

**Q – Can the DCM-PRO™ system be used in a wet room?**

A – Yes. With the addition of the DCM-PRO™ waterproofing tape installed following the manual, the system is waterproof and can be used in a full wet room environment.

# Materials

## StickyMat™



Take a closer look at the StickyMat™ installation video, scan to find out more



### StickyMat™ – Heated Mat System

The Warmup StickyMat™ System is designed for use within the adhesive layer under tiles or within a levelling compound under other floor finishes. The fixed spacing and self-adhesive mat makes installation of regularly shaped rooms quick and easy whilst ensuring precision is maintained.

The pressure sensitive adhesive securely binds the mats to the floor, keeping them flat and ensuring the application of tile adhesive is snag free whilst allowing the mats to be easily repositioned as needed.

#### ✔ Quick + Easy Installation

Sturdy glass fibre mesh with pressure sensitive adhesive, for the fastest and most secure installation of electric underfloor heating

#### ✔ No Increase In Floor Levels

With an ultra-thin, dual fluoropolymer coated heating wire

#### ✔ Suitable For All Builds

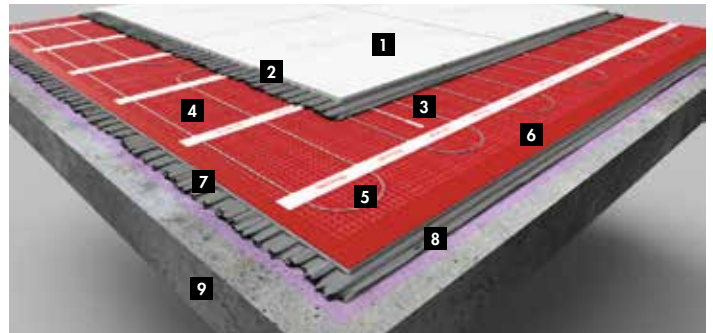
StickyMat™ underfloor heating system is suitable for all building projects; retrofits, new builds and refurbishments

### StickyMat™ – Specification

Product Code	SPM / 2SPM
Connection	3m long coldtail, Flat 2 core cable with earth braid
Operating Voltage	230 V AC: 50 Hz
Output Rating	150 W/m <sup>2</sup> (SPM) / 200 W/m <sup>2</sup> (2SPM)
Heating Cores	Dual core, multi-strand heating element
Thread Connections	BS EN ISO 228-1
IP Rating	X7
Cable Sheath	Translucent
Cable Spacing	80 mm (+/- 3mm)
Mesh	Sticky pressure sensitive fibreglass mesh
Inner / Outer Insulation	ETFE
Earth Protection	Metal braiding surrounding heating cores
Min. Install Temp	-10 °C



### Typical Floor Build-Up



- 1 Floor Finish
- 2 Flexible Adhesive
- 3 Floor Sensor
- 4 Fibreglass Mesh (with pressure sensitive adhesive)
- 5 Heating Cable
- 6 Warmup Ultralight™ (optional)
- 7 Flexible Tile Adhesive (optional)
- 8 Warmup Primer
- 9 Pre-insulated Subfloor (with a surface regularity of SR1\*)

\*If installing the optional Warmup Ultralight™, refer to its installation manual for its sub floor requirements

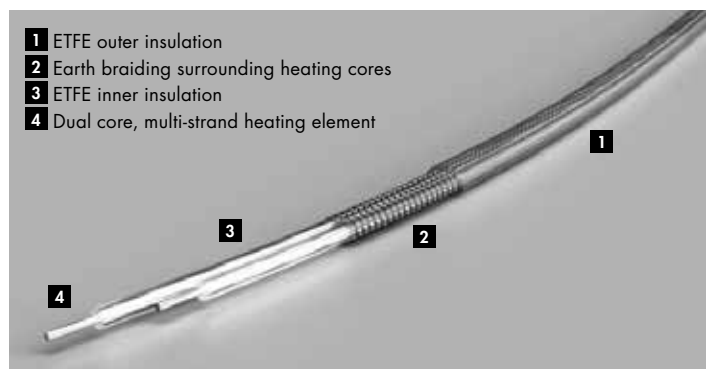
### StickyMat™ – 150W/m<sup>2</sup> System

	Area Heated	Wattage	Amps
SPM1	1m <sup>2</sup>	150W	0.65A
SPM1.5	1.5m <sup>2</sup>	225W	0.98A
SPM2	2m <sup>2</sup>	300W	1.30A
SPM2.5	2.5m <sup>2</sup>	375W	1.63A
SPM3	3m <sup>2</sup>	450W	1.96A
SPM3.5	3.5m <sup>2</sup>	525W	2.28A
SPM4	4m <sup>2</sup>	600W	2.61A
SPM4.5	4.5m <sup>2</sup>	675W	2.93A
SPM5	5m <sup>2</sup>	750W	3.26A
SPM6	6m <sup>2</sup>	900W	3.91A
SPM7	7m <sup>2</sup>	1050W	4.57A
SPM8	8m <sup>2</sup>	1200W	5.22A
SPM9	9m <sup>2</sup>	1350W	5.87A
SPM10	10m <sup>2</sup>	1500W	6.52A
SPM11	11m <sup>2</sup>	1650W	7.17A
SPM12	12m <sup>2</sup>	1800W	7.83A
SPM15	15m <sup>2</sup>	2250W	9.78A

### StickyMat™ – 200W/m<sup>2</sup> System

	Area Heated	Wattage	Amps
2SPM0.5	0.5m <sup>2</sup>	100W	0.44A
2SPM1	1m <sup>2</sup>	200W	0.87A
2SPM1.5	1.5m <sup>2</sup>	300W	1.30A
2SPM2	2m <sup>2</sup>	400W	1.74A
2SPM2.5	2.5m <sup>2</sup>	500W	2.17A
2SPM3	3m <sup>2</sup>	600W	2.61A
2SPM3.5	3.5m <sup>2</sup>	700W	3.04A
2SPM4	4m <sup>2</sup>	800W	3.48A
2SPM4.5	4.5m <sup>2</sup>	900W	3.91A
2SPM5	5m <sup>2</sup>	1000W	4.35A
2SPM6	6m <sup>2</sup>	1200W	5.22A
2SPM7	7m <sup>2</sup>	1400W	6.09A
2SPM8	8m <sup>2</sup>	1600W	6.96A
2SPM9	9m <sup>2</sup>	1800W	7.83A
2SPM10	10m <sup>2</sup>	2000W	8.70A
2SPM15	15m <sup>2</sup>	3000W	13.04A

### Cable Section



**Warmup Ultralight™**



Take a closer look at the Ultralight™ features video, scan to find out more



**Warmup Ultralight™**

**4in1 (Insulating, Heat Spreading, Decoupling, Sound Reducing)**

Ultralight™ is a specialised composite board designed for floor heating applications. Manufactured as flat, flexible sheets they are water and mould-resistant. The top surface incorporates a heat spreading aluminium layer combined with non-woven fleece.

The core PEF insulation provides thermal separation from the floor beneath, ensuring a rapid thermal response of a heated layer of tiles or levelling compound above.

✔ **Improves Comfort and Reduces Running Costs**

The heat spreading aluminium layer improves comfort and reduces running costs by providing a 50 % more even heat spread. This enables the floor to achieve the same comfort temperature whilst using 12% less energy. See Fig 1

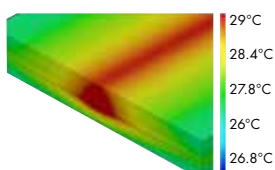
✔ **Reduces eUFH Heat Up Times**

30% faster heat up times than standard insulation boards

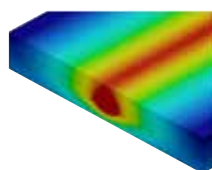
✔ **Protection Against Tiles Cracking**

Decoupling fleece layer provides high performance protection against tiles cracking due to lateral subfloor movement in accordance with ANSI A118.12 standard

**Heat Spread**



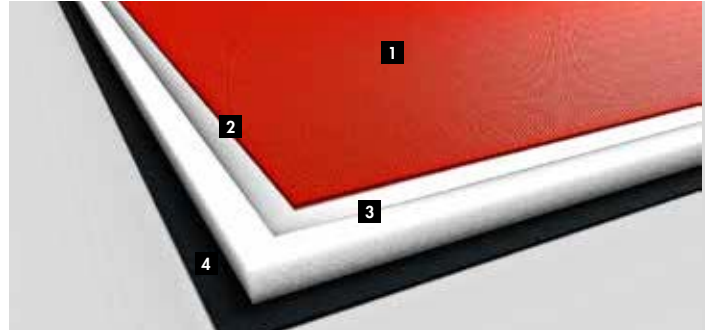
6 mm Ultralight™ Insulation – 29°C Surface Limit



6 mm Traditional Insulation – 26°C Surface Limit

**Fig. 1 – Improved Heat Spread of Ultralight™ Vs Traditional Insulation**  
When operating at a 29°C maximum surface temperature, traditional insulation would result in a minimum surface temperature just below 26°C. By comparison, Ultralight™ increases this to 27.5°C resulting in increased comfort and a 10.5% increase in heat output.

**Typical Floor Build-Up**



- 1 Non-Woven Fleece
- 2 Heat Spreading Aluminium
- 3 220kPa Insulation
- 4 Decoupling Non-Woven Fleece

**Electric Systems – Compatibility**

DCM-PRO™	✔
StickyMat™	✔

**Warmup Ultralight™ Insulation – Specification**

Product Code	WCI-X
Pack Size	1, 6, 16, 170 Boards
Thickness	6 mm ±0.3mm
Dimensions	800mm (W) x 1200mm (L) ±6mm
Area	0.96m <sup>2</sup>
Weight of Board	1.1 kg
Thermal Resistance EN 12667	0.111m <sup>2</sup> K/W
Thermal Conductivity EN 12667	0.054 W/mK
Reaction To Fire, EN 13501-1EN ISO 11952-2	Euroclass E
Release of Dangerous Substances, REACH	SVHC ≤ 0.1% w/w
Compressive Strength, 10% Compression, EN 826	220 kPa
Point Loading, Tiled ANSI A118.12	≥ 2.2 kN
Robinson Test, 100 - 199 mm Tiles, ASTM C627	Domestic
Robinson Test, 200 - 599 mm Tiles ASTM C627	Light Commercial
Robinson Test, ≥ 600 mm Tiles ASTM C627	Heavy Commercial
7 Day Shear Strength, ANSI A118.12	113 psi (780 kPa)
Crack Resistance (Anti-Fracture / Decoupling), ≥ 1/8" => High Performance ANSI A118.12	
Long Term Water Absorption, EN 12087	0.052% w/w
Water Vapour Permeability, EN 12086	9.12 mg/m <sup>2</sup> h
Mould Growth, ANSI A118.12	Does not support mould growth

**Warmup Ultralight™ Insulation – Product**

<b>WCI-01</b>	Ultralight Insulation Board 6mm x 800mm x 1,200mm
<b>WCI-06</b>	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 6 / 5.76m <sup>2</sup> )
<b>WCI-16</b>	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 16 / 15.36m <sup>2</sup> )
<b>WCI-170</b>	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pallet of 170 / 163.20m <sup>2</sup> )

# Thermostats

## Warmup 7iE™ Smart Matter WiFi Thermostat




### Warmup's 7iE™ Smart Matter WiFi Thermostat

World's first UFH controller with a Smartphone touchscreen.

The 7iE uses advanced technology to maximise on the efficiency of a Warmup heating system. With Matter compatibility and Smartcare support included, the 7iE effortlessly integrates your heating within your Smart home ecosystem - including Apple Home, Google Home, and Amazon Alexa.

#### ● Provides Smarter Energy Savings

The 7iE™ Smart Matter WiFi Thermostat automatically adjusts your heating to maximise comfort and efficiency, with up to 25% energy saving

#### ● Effortless Smart Home Integration

The 7iE™ Smart Matter WiFi Thermostat is compatible with Apple, Google and Amazon devices through its Matter technology

#### ● Expert Heating Support

Includes expert heating support through its access to Smartcare, which provides proactive system monitoring and market-leading support for life



7iE™ Smart Matter WiFi Thermostat  
– Onyx Black



7iE™ Smart Matter WiFi Thermostat  
– Bright Porcelain

#### Features + Benefits

The 7iE™ Smart Matter WiFi Thermostat's ultra-slim design sits just 16mm from wall

The 7iE™ Smart Matter WiFi Thermostat helps find the most efficient heat settings for a property

Quick to install, the 7iE™ Smart Matter WiFi Thermostat can be set up in minutes using the QR code

The 7iE™ Smart WiFi Thermostat provides flexible multi-zone control for water and electric UFH systems

The 7iE™ Smart Matter WiFi Thermostat helps reduce energy usage by up to 25%

Finish – Onyx Black or Bright Porcelain

Dimensions – 115(h) x 90(w) x 39(d) mm



7iE-01-OB-DC

Onyx Black

7iE-01-BP-IC

Bright Porcelain

#### Warmup 7iE™ Smart Matter WiFi Thermostat – Specification

Max. Load	16A (3680W)
Max. Ambient Temperature	40°C
Operating Frequency	2401 - 2484MHz
Sensors	Air & Floor (Ambient)
Sensor Type	NTC10K 3m Long (Can Be Extended to 50m)
Installation Depth	Recommended – 50mm Back Box Minimum – 35mm Back Box
IP Rating	IP33
Compliance	CE & UKCA Marked
Compatibility	Electric Underfloor Heating, Hydronic Underfloor Heating, Central Heating Systems (Combi & system boilers with switch live, 230V AC input)
Warranty	12 Years when installed with a Warmup Heater 3 Years when installed without a Warmup Heater
Er-P Class	IV
Approvals	BEAB

# Thermostats

## Warmup Element™ WiFi Thermostat



Element™ WiFi Thermostat – Dark



Element™ WiFi Thermostat – Light

### Features + Benefits

Simple touch buttons for accurate control of your underfloor heating system. Its sleek, unobtrusive design will suit any home décor

Easy to setup. Simply scan the QR code on the Element™ thermostat using the MyHeating app and it will automatically connect to your WiFi network

Reduce energy use by up to 25% with energy efficient MyHeating™ app technology

Compatible with all Warmup Underfloor Heating Systems

Automatic control of your heating. SmartGeo™ learns your routines and location through background communication with your smartphone and lowers temperatures when you are away, only rising them up to your ideal comfort temperature in time for your arrival home saving you money and energy

Helps find the most efficient heat settings for your home

Finish – Dark or Light

Dimensions – 86(h) x 86(w) x 16(d) mm



ELM-01-OB-DC

Dark (Band Colour – Dark Chrome)

ELM-01-WH-RG

Light (Band Colour – Rose Gold)

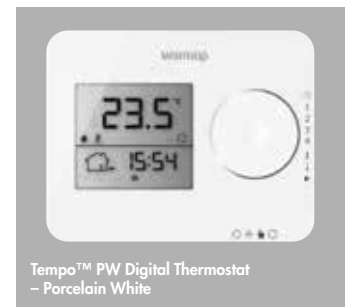


Take a closer look at the Element™ features video, scan to find out more

## Warmup Tempo™ Programmable Thermostat



Tempo™ PB Digital Thermostat – Piano Black



Tempo™ PW Digital Thermostat – Porcelain White

### Features + Benefits

Stylish and contemporary design with an easily controlled dial and sliders

Clear screen displaying program details

Suitable with all Warmup electric and water underfloor heating systems

Available in Porcelain White and Piano Black

Perfect for the whole house with the exception of the bathroom

Finish – Piano Black or Porcelain White

Dimensions – 90(h) x 113(w) x 23(d) mm (flush fit)



ELT-PB

Piano Black

ELT-PW

Porcelain White



# Hot Water Cylinders that work in harmony with your boiler

Combining quality, durability, and efficiency, the Instinct hot water cylinder range has been designed to work hand-in-hand with your boiler for excellent results. Available in sizes of up to 300 litres, Instinct's hot water cylinders can help keep your home comfortable all year round —whatever your central heating needs.

25 year vessel warranty

Less space required – no need for a water storage tank in the loft

Perfect for homes that have a high demand for hot water

Corrugated heating coil

Manufactured from duplex stainless steel

Manufactured in the UK

**Instinct hot water cylinders – a high quality addition to your central heating system.**
































Visit [instinctproducts.co.uk](https://www.instinctproducts.co.uk)  
and find your local stockist

# Heating

Section	Page No.
<b>Boilers</b>	
Ideal Instinct <sup>2</sup> Combi Boiler	58
Ideal Halo Lite RF Thermostat	60
Flue + Accessories	60
<b>Pumps</b>	
Condensate Removal Pump	62
Wilo Atmos PICO Circulating Pump	64
<b>new</b> Wilo Yonos Pico Z	65
<b>Cylinders</b>	
Ideal Instinct Indirect Pre Plumbed System Ready Cylinders	66
Ideal Instinct Standard Cylinders	68
Ideal Instinct Slimline Cylinders	69
<b>Radiators</b>	
Henrad Compact Radiators	70
Henrad Compact K3 Radiators	73
Espada Aluminium Radiators	74
Espada Radiators	76
<b>Towel Rails</b>	
<b>new</b> Tulla Towel Rails	78
22mm Straight Towel Rails	79

## Heating Features

There are many features in our Instinct Pro Heating range. Use the icons to help choose the right option for you.

					
Manufactured in the UK	Compact Fit Design	Low Fit Weight	OpenTherm Ready	Easy Read Pressure Gauge	Improved Digital Display
					
Dial + Button Design	Backlit Display	Mechanical Timer	Frost Protection	Service Timer Function	Wireless
					
NOx Class 6	Boiler Plus Compliant	Wired – No Batteries	IP44 Rated	Thermal Protection	Proven Technologies
					
Mains Pressure Hot Water	Compression Fittings Used	Standard & Slimline Cylinder Models	High Corrosion Resistant Duplex Stainless Steel	Built-in 40mm Insulation	Reduced Diameter Cylinder
					
ErP Rating	Slim Design	Manufactured from Steel	Tested to Withstand 10 Bar Pressure	Easy Installation	Next Day Delivery Available

## Our frequently ordered Heating products...

Easy To Install



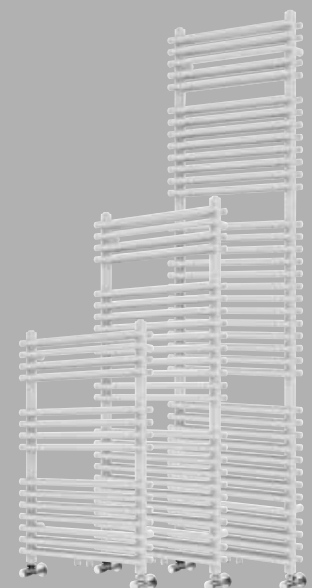
**Ideal Instinct<sup>2</sup> Boilers**  
Page 58



**Ideal Heating Cylinders**  
Page 68-69



**Wilo Atmos PICO Circulating Pump**  
Page 64



**Tulla Towel Rails**  
Page 78



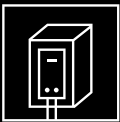
Multiple Sizes

**Henrad Compact Radiators**  
Page 70

ideal  
HEATING

# INSTINCT<sup>2</sup>

## 24 30 35 Combi Boilers



Compact cupboard fit



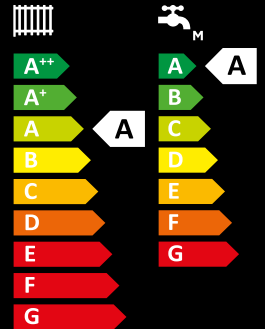
Low lift weight



OpenTherm ready



Easy to read pressure gauge



NOx class 6



Frost protection



Improved digital display

# Boilers

## Guarantees

**5** Years  
on Ideal Instinct<sup>2</sup> Combi Boilers

### Ideal Instinct<sup>2</sup> Combi Boiler

The Instinct<sup>2</sup> combination boiler is available in outputs of 24, 30 and 35 kW providing a cost effective heating solution for a range of domestic installations.

Complete with domestic hot water temperature controls including a switched preheat function, mechanical built-in timer and a digital operating status & diagnostic display, the Instinct<sup>2</sup> provides reliable control of the homes heating and hot water performance.

#### Features + Benefits

**Quick and easy to install**

**Compact cupboard fit design**

Easy access to all components for **smooth maintenance**

Tried and tested technology (inc. Grundfos pump)

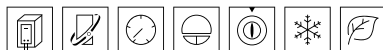
Fast Fix flue turret connections

Ideal OpenTherm wired room thermostat available for **Boiler Plus compliance 221527**

**Fully supported by Ideal Service Division**

Finish – White

Dimensions – 700(h) x 395(w) x 285(d) mm



**220481** Ideal Instinct<sup>2</sup> 24 Combi Boiler

**220482** Ideal Instinct<sup>2</sup> 30 Combi Boiler

**220483** Ideal Instinct<sup>2</sup> 35 Combi Boiler

**Don't forget your Heating System Chemicals**

Page 92-93

Instinct Pro Central Heating System Chemicals will actively contribute to a healthy heating system.



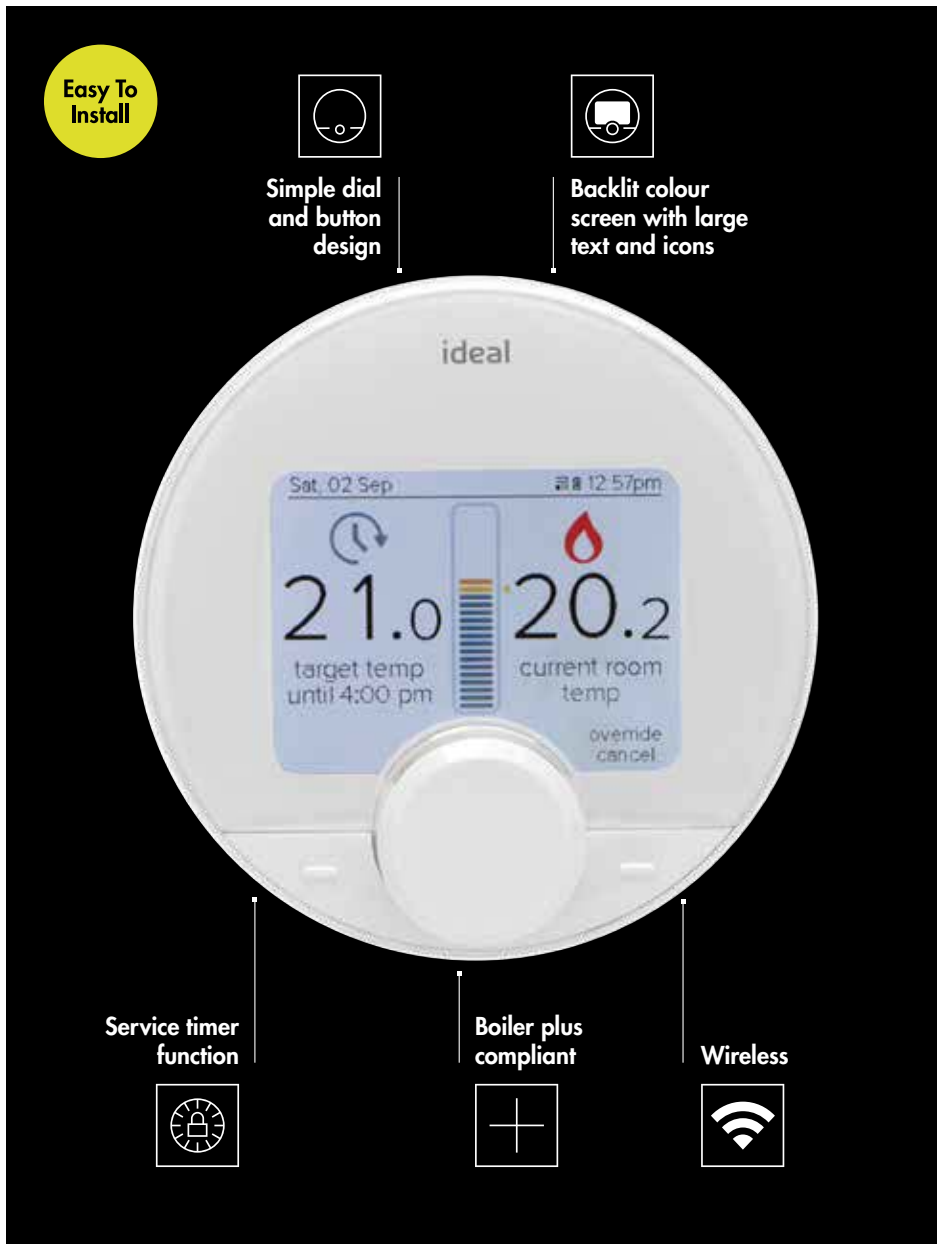
Specification	Instinct <sup>2</sup> 24	Instinct <sup>2</sup> 30	Instinct <sup>2</sup> 35
Weight (packaged) (kg)	33.7	33.7	33.8
Max installation weight (kg)	29.9	29.9	30.0
CH output (kW) min/max mean 70°C	4.8 – 24.2	6.1 – 24.2	7.1 – 24.2
CH output (kW) min/max mean 40°C	5.1 – 25.6	6.4 – 25.6	7.5 – 25.6
DHW output (kW) max	24.2	30.3	35.3
DHW flow rate l/min. 35°C rise	9.9	12.4	14.5
SEDBUK rating (2005) %	91.0	91.1	91.0
SEDBUK rating (2009/2012) %	89.0	89.0	88.9
NOx classification	Class 6	Class 6	Class 6
Water heating efficiency class	A	A	A
Max horizontal flue (m)	9	8	6
Max vertical flue (m)	7.5	7.5	7.5
Seasonal space heating efficiency class	A	A	A
Seasonal space heating energy efficiency (η <sub>s</sub> ) %	94	94	94
Sound power level, indoors (LWA dB)	46	46	41



# Boilers

## Guarantees

**2** Years  
on Ideal Thermostat



### Ideal Halo Lite RF Thermostat

The Ideal Halo Lite RF is a single zone combi programmable room thermostat designed to benefit both installers and homeowners.

Boasting a large colour screen and easy to use button and dial interface. It has been tested to ensure it is intuitive and easy to understand. Specifically designed to work with the Instinct<sup>2</sup> by providing temperature control and Boiler Plus compliance in one simple device.

#### Features + Benefits

##### Designed specifically to work with Instinct<sup>2</sup> Boilers

Wireless control with robust signal

Maintain boiler health with on screen service and fault notifications

**Fast and simple to install** with out of the box pairing

Advanced settings to tailor controls to tenant and landlord needs

**Easy to set heating schedules** with up to 6 events per day

Load compensation provides **easy Boiler Plus compliance**

**Frost protection for winter boiler and system protection**

Compact and contemporary design with large, clear colour screen

Finish – White

Dimensions –

96(h) x 96(w) x 35(d) mm (PRT)

112(h) x 108(w) x 32(d) mm (Receiver)



**237423**

Ideal Halo Lite RF Thermostat

#### Specification

Communication Protocol	868 Mhz (Receiver & Room Thermostat), OpenTherm (Boiler & Receiver)
Power Source	4x AA Batteries (PRT), 240 Vac (Receiver)
Voltage	240 Vac
Install Location	Wall or desk mounted
ERP Class	VI
Boiler Plus	Yes
WEEE	Yes

## Flue + Accessories



### Instinct<sup>2</sup> Weather Compensation Kit

Finish – White

Dimensions – 100(h) x 60(w) x 20(d) mm

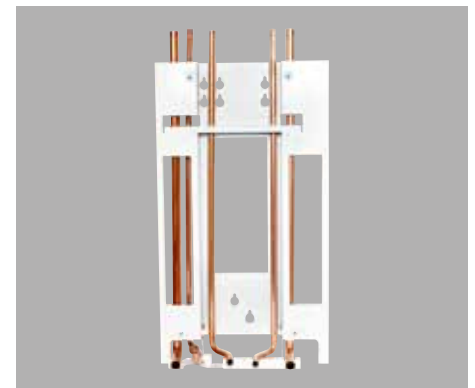
**216119**



### Horizontal Flue Terminal (for Instinct<sup>2</sup> Combi)

Dimensions – 135(h) x 116(w) x 852(l) mm

**208173**



### Instinct<sup>2</sup> Stand Off Kit

Dimensions – 700(h) x 395(w) x 50(d) mm

**207668**



# FAST FIT EFFORTLESS SETUP

- › **Plug and play cylinders** – two pipes, one cable
- › **Quick to commission** - syncs with Halo controls
- › **Compact size, low clearance** – easy to site, easy on the eye

**That's ideal.**



Find out more at  
[idealheating.com](https://www.idealheating.com)



# Pumps

## Guarantees

**3** Years  
on Condensate Removal Pump

Easy To  
Install

Easy To  
Maintain



### Condensate Removal Pump

One-piece centrifugal pump with tank.

Centrifugal pump for heavy and contaminated condensates. Suitable for gas condensing boilers producing acid (pH > 2.5) and hot condensates (65°C max, 80°C in short peaks). Normally closed alarm contact that automatically cuts off the air conditioning system compressor or a solenoid valve.

#### Features + Benefits

**Exceptional durability and reliability**

**Quick and easy installation** in any place

**Quick and easy maintenance**

**Easily removable** tank and reversible pump

Reinforced mechanical structure improving shocks resistance

**IP20** regular duty (2 Litre tank capacity)

**500 l/h** max flow rate

**5.0m** max discharge head

**5.4m** max pressure (flow rate 0)

**≤ 45 dBA** sound level in application at 1m

**65°C, 80°C** in short peaks max condensate temperature

**pH > 2.5** (Gas condensing boilers) max condensate acidity

**105°C** thermal protection (auto reset)

Oil and acid resistant float

Finish – Grey + Black

Dimensions – 183(h) x 136(w) x 293(l) mm



**SI1802INAN23**

Condensate Removal Pump

#### Kit Contents

Integrated tank pump of 2 Litre

Integrated check valve

Power cable – 2m bare ends

Alarm wires – 1m

Tubing Adapter – 10 mm (3/8") to 6 mm (1/4")

2 screws + plug



# INSTINCT® | PRO

## Instinct Hot Water Cylinders

Instinct's hot water cylinders work hand in hand with your boiler to provide your home with the heat and warmth you need. Perfect for homes that have a high demand for hot water, Instinct hot water cylinders are a high quality addition to your central heating system.

[www.instinctproducts.co.uk](http://www.instinctproducts.co.uk)

Pages  
66-69



Direct  
+ Indirect  
Models

Slimline  
Options

# INSTINCT® | PRO



## Welcome to [instinctproducts.co.uk](https://instinctproducts.co.uk)

Unlock the potential of your project with our extensive range of bathroom, plumbing, and heating products online.

With over 3,000 top-quality products at your fingertips, you can easily find everything you need to enhance your project. Download essential documents, locate your nearest branch effortlessly, and join our community by liking and subscribing for the latest updates on news and product releases. Don't miss out – transform your projects today!

 @instinct.products   @instinctproducts

Scan here to visit  
[instinctproducts.co.uk](https://instinctproducts.co.uk)



## Pumps

## Guarantees

**5** Years  
on Wilo Atmos PICO Circulating Pump


## Wilo Atmos PICO Circulating Pump

The Wilo Atmos PICO is the ideal entry-level pump with a simple user interface and standard design. Equipped with the most essential settings and functions, it can be put into operation for heating, air conditioning and cooling applications extremely quickly and easily.

## Features + Benefits

**New & redesigned** small circulator pump

Variable differential pressure, allowing the pump to modulate to the requirements of the system ensuring **efficiency and energy savings**

**Ease of installation** with the compact design, Wilo connector at the side and front access to motor screws

**Easy to use settings**, with a push button for selection, two operating modes and six curves identified by 5 LEDs

Finish – Green / Black / Grey

Dimensions – 130(h) x 102(w) x 127(d) mm (4232693)

180(h) x 102(w) x 139(d) mm (4232696)

Weight – 1.9kg (4232693), 2.3kg (4232696)



**4232693** Wilo Atmos PICO 130 (6m)

**4232696** Wilo Atmos PICO 180 (8m)

## Atmos PICO 130 (6m)

## Operating Specification

Field of Application	Heating / Floor heating / Air conditioning
Max. Operating Pressure	10 Bar
Performance Range	6m to 3.5 m <sup>3</sup> /h
Water Temp at Max Ambient Temp of +40°C	-10°C/95°C
Protection Class	IPX2D
Min/Max Power Consumption	4-40W
Display	7 LEDs
Operation	Push button
Setting (nb curves)	6 curves
Regulation Modes	Δp-v, 3 speeds
Faults Management	LED with blinking code
Quick Connection	Yes
Dejamming	Automatic
Compactness (L2 dimension)	94.1
EEl	≤0.23

## Atmos PICO 180 (8m)

## Operating Specification

Field of Application	Heating / Floor heating / Air conditioning
Max. Operating Pressure	10 Bar
Performance Range	8m to 4.3 m <sup>3</sup> /h
Water Temp at Max Ambient Temp of +40°C	-10°C/95°C
Protection Class	IPX2D
Min/Max Power Consumption	4-75W
Display	7 LEDs
Operation	Push button
Setting (nb curves)	6 curves
Regulation Modes	Δp-v, 3 speeds
Faults Management	LED with blinking code
Quick Connection	Yes
Dejamming	Automatic
Compactness (L2 dimension)	94.1
EEl	≤0.23

Guarantees

**5** Years on Wilo Yonos PICO-Z Circulating Pump

new

Easy To Install

Low Noise

Energy Efficient



**Wilo Yonos PICO-Z Circulating Pump**

The compact Wilo-Yonos PICO-Z is the ideal replacement pump when switching to energy-saving circulators for domestic hot water applications in detached, semi-detached and multi-family houses. The high-efficiency pump equipped with a thermal insulation shell offers a high-degree of hygienic safety due to its stainless-steel housing. The Wilo-Connector enables quick electrical installation. With the automatic and manual restart as well as the pump venting function, the Wilo-Yonos PICO-Z offers all the standard functions required for reliable operation.

**Features + Benefits**

Stainless steel pump housing provides **hygienic safety**

EC motor enables **energy-saving supply**

Green Button Technology, intuitive user interface with LED display and continuous control functions **offer ease of use**

**Simple electrical installation** with the Wilo-Connector

Finish – Green / Black / Grey  
 Dimensions – 130(h) x 114(w) x 152(d) mm  
 Weight – 1.7kg



**Operating Specification**

Max. Operating Pressure	10 Bar
Max. Fluid Temperature	95°C
Min. Fluid Temperature	2°C
Min. Ambient Temperature	-10°C
Max. Ambient Temperature	40°C
Temperature range at max. ambient temperature +40 °C	+2...+70
Max. permitted total water hardness	3.57 mmol/l (20°dH)

**Installation Dimensions**

Pipe Connection on the Suction Side	G 1½
Pipe Connection on the Discharge Side	G 1½
Port-to-port Length	130 mm

**Motor Specification**

Mains Connection	1~230 V, 50 Hz
Rated Power	0.03 kW
Rated Current	0.44 A
Min. Speed	700 1/min
Max. Speed	4200 1/min
Min/Max. Power Consumption	4-40 W
Emitted Interference	EN 61000-6-3
Interference Resistance	EN 61000-6-2
Electromagnetic Compatibility	EN 61800-3
Insulation Class	F
Protection Class Motor	IPX4D
Speed control	Frequency converter
Motor protection	Integrated

**Materials**

Pump Housing	1.4409
Impeller	PPO-GF30
Shaft	Oxide Ceramic
Bearing	Carbon-graphite

4255416 Wilo Yonos PICO-Z

## Cylinders

Ideal Instinct Indirect Pre Plumbed System  
Ready Cylinders

120 150 170 200 250 + 300

25

Year Guarantee†



Next day delivery available

Proven technologies and  
quality manufacturing at a  
competitive priceHigh corrosion resistant  
duplex stainless steel

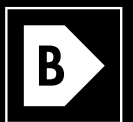
Mains pressure hot water



Manufactured in the UK



High quality fittings

Straight pipework for  
easy installation

B ErP rating up to 170L model

†Guarantees

**25** Years on Vessel    **2** Years on Parts

# Cylinders

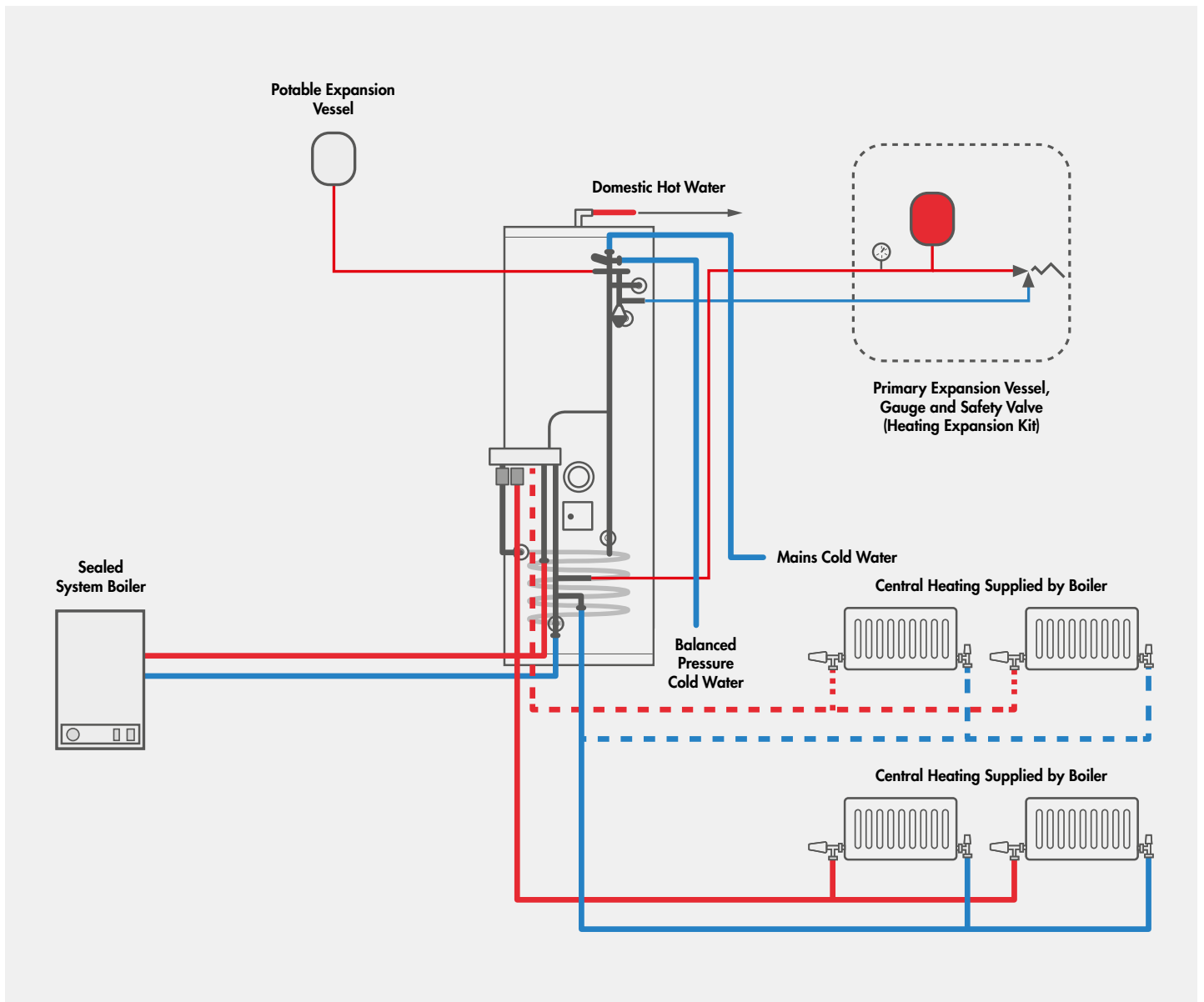
## Ideal Instinct Indirect Pre Plumbed System Ready Cylinders

- Finish – Grey
- Dimensions – See below
- Weight – See below
- Material – Highly corrosion resistant duplex stainless steel
- Fittings – Compression fittings included as standard
- Heating Element – Corrugated heating coil
- Cylinder Diameter – 530mm
- Capacity – Available in sizes up to 300 Litres



### Features + Benefits

- Designed exclusively, maintaining the aesthetics and architecture of the current Instinct indirect range of cylinders
- Pipe layout to suit smaller diameter cylinder to enable continuity of branding compared to PRO with wider diameter
- Designed with standard plumbing parts for improved ease of installation, and installer familiarity, ensures easy on site installation
- Specific designed System Ready for retrofit installations
- Straight pipework to assist with insulating and simplicity
- Consistent quality fittings with press fittings



Indirect Pre Plumbed System Ready						
	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter
IDEINSIN120PPSR	B	43 Watts	1.03 kWh/24h	118 Litres	832mm	530mm
IDEINSIN150PPSR	B	52 Watts	1.24 kWh/24h	149 Litres	1012mm	530mm
IDEINSIN170PPSR	B	57 Watts	1.37 kWh/24h	169 Litres	1131mm	530mm
IDEINSIN200PPSR	C	65 Watts	1.56 kWh/24h	198 Litres	1305mm	530mm
IDEINSIN250PPSR	C	79 Watts	1.89 kWh/24h	248 Litres	1603mm	530mm
IDEINSIN300PPSR	C	92 Watts	2.20 kWh/24h	295 Litres	1895mm	530mm

# Cylinders

Guarantees

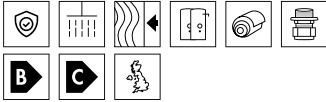
**25** Years on Vessel   **2** Years on Parts

## Ideal Instinct Standard Cylinders

### Features + Benefits

- Highly corrosion resistant duplex stainless steel
- Compression fittings included as standard
- Corrugated heating coil
- Available in sizes up to 300 Litres

Finish – Grey  
Dimensions – See table below  
Weight – See table below

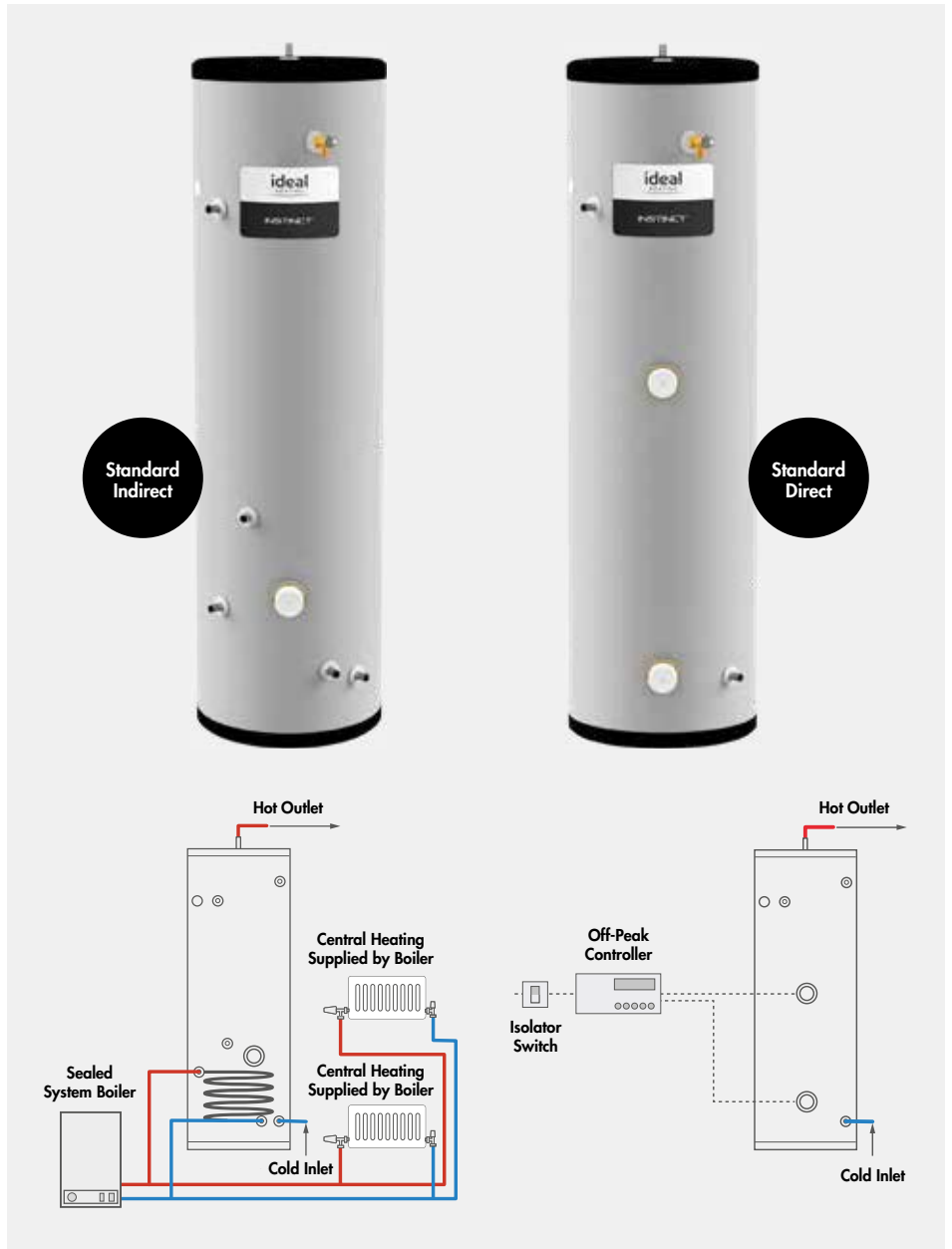


### Standard Direct Cylinders

IDEINSDR120	Ideal Instinct Direct 120 Litre Unvented Cylinder
IDEINSDR150	Ideal Instinct Direct 150 Litre Unvented Cylinder
IDEINSDR170	Ideal Instinct Direct 170 Litre Unvented Cylinder
IDEINSDR200	Ideal Instinct Direct 200 Litre Unvented Cylinder
IDEINSDR250	Ideal Instinct Direct 250 Litre Unvented Cylinder
IDEINSDR300	Ideal Instinct Direct 300 Litre Unvented Cylinder

### Standard Indirect Cylinders

IDEINSIN120	Ideal Instinct Indirect 120 Litre Unvented Cylinder
IDEINSIN150	Ideal Instinct Indirect 150 Litre Unvented Cylinder
IDEINSIN170	Ideal Instinct Indirect 170 Litre Unvented Cylinder
IDEINSIN200	Ideal Instinct Indirect 200 Litre Unvented Cylinder
IDEINSIN250	Ideal Instinct Indirect 250 Litre Unvented Cylinder
IDEINSIN300	Ideal Instinct Indirect 300 Litre Unvented Cylinder



### Standard Direct Cylinders

	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter	Weight
IDEINSDR120	C	43 Watts	1.03 kWh/24h	118 Litres	832mm	530mm	19kg
IDEINSDR150	C	52 Watts	1.24 kWh/24h	149 Litres	1012mm	530mm	22kg
IDEINSDR170	C	57 Watts	1.37 kWh/24h	169 Litres	1131mm	530mm	24.3kg
IDEINSDR200	C	65 Watts	1.56 kWh/24h	198 Litres	1305mm	530mm	27kg
IDEINSDR250	C	79 Watts	1.89 kWh/24h	248 Litres	1603mm	530mm	33.3kg
IDEINSDR300	C	86 Watts	2.06 kWh/24h	287 Litres	1895mm	530mm	41kg

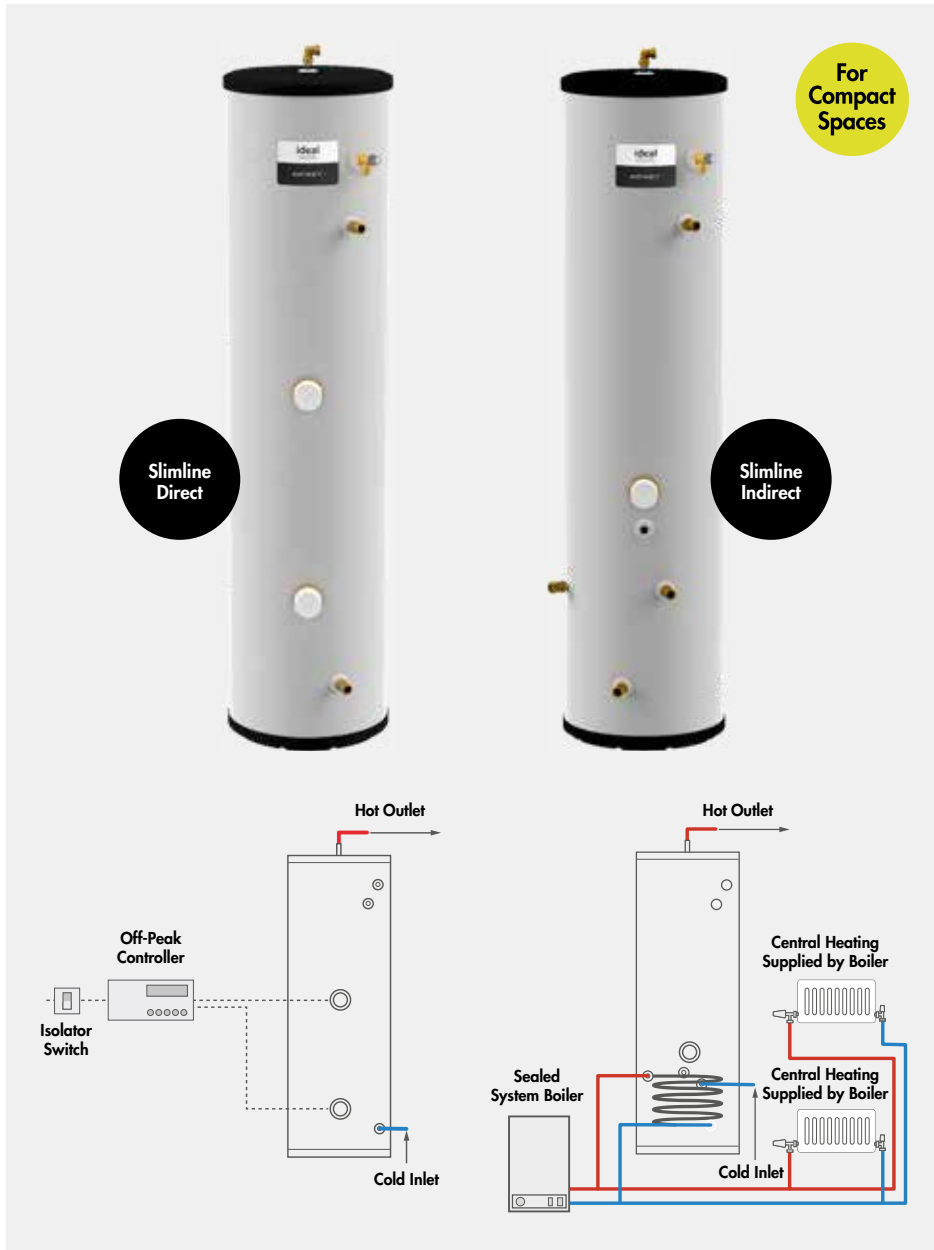
### Standard Indirect Cylinders

	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter	Weight
IDEINSIN120	B	43 Watts	1.03 kWh/24h	118 Litres	832mm	530mm	19.5kg
IDEINSIN150	B	52 Watts	1.24 kWh/24h	149 Litres	1012mm	530mm	23.3kg
IDEINSIN170	B	57 Watts	1.37 kWh/24h	169 Litres	1131mm	530mm	26kg
IDEINSIN200	C	65 Watts	1.56 kWh/24h	198 Litres	1305mm	530mm	28.5kg
IDEINSIN250	C	79 Watts	1.89 kWh/24h	248 Litres	1603mm	530mm	35kg
IDEINSIN300	C	92 Watts	2.20 kWh/24h	295 Litres	1895mm	530mm	41kg

**Guarantees**

**25** Years on Vessel    **2** Years on Parts

# Cylinders



## Ideal Instinct Slimline Cylinders

**Features + Benefits**

Highly corrosion resistant duplex stainless steel

Compression fittings included as standard

Corrugated heating coil

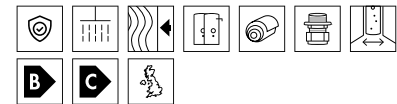
Reduced diameter of 475mm **for smaller properties and space limitations**

Available in sizes up to 210 Litres

Finish – Grey

Dimensions – See table below

Weight – See table below



### Slimline Direct Cylinders

<b>IDEINSDR120SL</b>	Ideal Instinct Direct 120 Litre Slimline Unvented Cylinder
<b>IDEINSDR150SL</b>	Ideal Instinct Direct 150 Litre Slimline Unvented Cylinder
<b>IDEINSDR180SL</b>	Ideal Instinct Direct 180 Litre Slimline Unvented Cylinder
<b>IDEINSDR210SL</b>	Ideal Instinct Direct 210 Litre Slimline Unvented Cylinder

### Slimline Indirect Cylinders

<b>IDEINSIN120SL</b>	Ideal Instinct Indirect 120 Litre Slimline Unvented Cylinder
<b>IDEINSIN150SL</b>	Ideal Instinct Indirect 150 Litre Slimline Unvented Cylinder
<b>IDEINSIN180SL</b>	Ideal Instinct Indirect 180 Litre Slimline Unvented Cylinder
<b>IDEINSIN210SL</b>	Ideal Instinct Indirect 210 Litre Slimline Unvented Cylinder

Slimline Direct							
	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter	Weight
<b>IDEINSDR120SL</b>	C	47 Watts	1.13 kWh/24h	120 Litres	1248mm	475mm	23.2kg
<b>IDEINSDR150SL</b>	C	56 Watts	1.37 kWh/24h	149 Litres	1519mm	475mm	27kg
<b>IDEINSDR180SL</b>	C	67 Watts	1.61 kWh/24h	181 Litres	1791mm	475mm	31kg
<b>IDEINSDR210SL</b>	C	74 Watts	1.77 kWh/24h	197 Litres	1963mm	475mm	34.4kg

Slimline Indirect							
	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter	Weight
<b>IDEINSIN120SL</b>	B	47 Watts	1.13 kWh/24h	120 Litres	1248mm	475mm	24kg
<b>IDEINSIN150SL</b>	B	56 Watts	1.37 kWh/24h	149 Litres	1519mm	475mm	28kg
<b>IDEINSIN180SL</b>	C	67 Watts	1.61 kWh/24h	181 Litres	1791mm	475mm	32kg
<b>IDEINSIN210SL</b>	C	74 Watts	1.77 kWh/24h	197 Litres	1963mm	475mm	34.8kg

## Guarantees

**10** Years  
 on Compact Radiators

# Radiators

## Henrad Compact Radiators

With a slim profile and smooth, white finish, Compact radiators will blend into any room in the house, to provide guaranteed heating performance. Henrad Compact Range has been independently tested to ensure these radiators perform to a maximum working pressure of 10 Bar.

### Features + Benefits

Each Henrad radiator is subjected to a multi-stage cleaning and paint process. The final powder coat is Traffic white (RAL 9016) which is stoved and cooled to give a perfect finish

Henrad Compact has 4 x ½" BSP connections as standard, system should be properly flushed and fitted in accordance with the British Code of Practice for the Treatment of Water in Domestic Hot Water Central Heating Systems

Finish – White

Dimensions – See page opposite

**SLIM** **STEEL** **Tested 10 Bar**

Single Convector Type 11

Single Convector Type 21

Double Convector Type 22



**Guarantees**

**10** Years  
on Compact Radiators

# Radiators

Compact Radiators		Single Convector Type 11			Single Convector Type 21			Double Convector Type 22		
Height	Length	Henrad Code	Heat Emissions		Henrad Code	Heat Emissions		Henrad Code	Heat Emissions	
			Watts	Btu/hr		Watts	Btu/hr		Watts	Btu/hr
300	500	<b>2031105</b>	255	868	<b>2032105</b>	373	1271	<b>2032205</b>	491	1675
	1000	<b>2031110</b>	509	1737	<b>2032110</b>	745	2542	<b>2032210</b>	982	3351
	1500	<b>2031115</b>	764	2605	<b>2032115</b>	1118	3813	<b>2032215</b>	1473	5026
	1600	-	-	-	-	-	-	<b>2032216</b>	1571	5362
	2000	<b>2031120</b>	1018	3473	<b>2032120</b>	1490	5084	<b>2032220</b>	1964	6701
450	400	<b>2011104</b>	302	1032	<b>2012104</b>	422	1440	<b>2012204</b>	548	1871
	500	<b>2011105</b>	378	1290	<b>2012105</b>	528	1800	<b>2012205</b>	686	2339
	600	<b>2011106</b>	454	1548	<b>2012106</b>	633	2160	<b>2012206</b>	823	2807
	700	<b>2011107</b>	529	1806	<b>2012107</b>	739	2520	<b>2012207</b>	960	3274
	800	<b>2011108</b>	605	2064	<b>2012108</b>	844	2880	<b>2012208</b>	1097	3742
	900	<b>2011109</b>	680	2322	<b>2012109</b>	950	3240	<b>2012209</b>	1234	4210
	1000	<b>2011110</b>	756	2579	<b>2012110</b>	1055	3600	<b>2012210</b>	1371	4678
	1100	<b>2011111</b>	832	2837	<b>2012111</b>	1161	3960	<b>2012211</b>	1508	5146
	1200	<b>2011112</b>	907	3095	<b>2012112</b>	1266	4320	<b>2012212</b>	1645	5613
	1400	<b>2011114</b>	1058	3611	<b>2012114</b>	1477	5040	<b>2012214</b>	1919	6549
	1600	<b>2011116</b>	1210	4127	<b>2012116</b>	1688	5759	<b>2012216</b>	2194	7485
	1800	<b>2011118</b>	1361	4643	<b>2012118</b>	1899	6479	<b>2012218</b>	2468	8420
	2000	<b>2011120</b>	1512	5159	<b>2012120</b>	2110	7199	<b>2012220</b>	2742	9356
	2200	<b>2011122</b>	1663	5675	-	-	-	<b>2012222</b>	3016	10291
	2400	<b>2011124</b>	1814	6191	-	-	-	<b>2012224</b>	3290	11227
600	300	<b>2061103</b>	294	1003	-	-	-	-	-	-
	400	<b>2061104</b>	392	1338	<b>2062104</b>	538	1836	<b>2062204</b>	693	2364
	500	<b>2061105</b>	490	1672	<b>2062105</b>	673	2295	<b>2062205</b>	866	2955
	600	<b>2061106</b>	588	2006	<b>2062106</b>	807	2753	<b>2062206</b>	1039	3546
	700	<b>2061107</b>	686	2341	<b>2062107</b>	942	3212	<b>2062207</b>	1212	4137
	800	<b>2061108</b>	784	2675	<b>2062108</b>	1076	3671	<b>2062208</b>	1386	4728
	900	<b>2061109</b>	882	3009	<b>2062109</b>	1211	4130	<b>2062209</b>	1559	5319
	1000	<b>2061110</b>	980	3344	<b>2062110</b>	1345	4589	<b>2062210</b>	1732	5910
	1100	<b>2061111</b>	1078	3678	<b>2062111</b>	1480	5048	<b>2062211</b>	1905	6501
	1200	<b>2061112</b>	1176	4013	<b>2062112</b>	1614	5507	<b>2062212</b>	2078	7092
	1400	<b>2061114</b>	1372	4681	<b>2062114</b>	1883	6425	<b>2062214</b>	2425	8273
	1600	<b>2061116</b>	1568	5350	<b>2062116</b>	2152	7343	<b>2062216</b>	2771	9455
1800	<b>2061118</b>	1764	6019	<b>2062118</b>	2421	8260	<b>2062218</b>	3118	10637	
2000	<b>2061120</b>	1960	6688	<b>2062120</b>	2690	9178	<b>2062220</b>	3464	11819	
2200	<b>2061122</b>	2156	7356	-	-	-	<b>2062222</b>	3810	13001	
2400	<b>2061124</b>	2352	8025	-	-	-	<b>2062224</b>	4157	14183	
700	400	<b>2071104</b>	447	1527	<b>2072104</b>	612	2088	<b>2072204</b>	784	2676
	500	<b>2071105</b>	559	1906	<b>2072105</b>	765	2610	<b>2072205</b>	981	3345
	600	<b>2071106</b>	670	2287	<b>2072106</b>	918	3132	<b>2072206</b>	1177	4015
	700	<b>2071107</b>	782	2668	<b>2072107</b>	1071	3654	<b>2072207</b>	1373	4684
	800	<b>2071108</b>	894	3049	<b>2072108</b>	1224	4176	<b>2072208</b>	1569	5353
	900	<b>2071109</b>	1005	3430	<b>2072109</b>	1377	4698	<b>2072209</b>	1765	6022
	1000	<b>2071110</b>	1117	3811	<b>2072110</b>	1530	5220	<b>2072210</b>	1961	6691
	1100	<b>2071111</b>	1229	4192	<b>2072111</b>	1683	5742	<b>2072211</b>	2157	7360
	1200	<b>2071112</b>	1340	4573	<b>2072112</b>	1836	6264	<b>2072212</b>	2353	8029
	1400	<b>2071114</b>	1564	5336	<b>2072114</b>	2142	7309	<b>2072214</b>	2745	9367
	1600	<b>2071116</b>	1787	6098	<b>2072116</b>	2448	8353	<b>2072216</b>	3138	10705
	1800	<b>2071118</b>	2011	6860	<b>2072118</b>	2754	9397	<b>2072218</b>	3530	12044
2000	<b>2071120</b>	2234	7622	<b>2072120</b>	3060	10441	<b>2072220</b>	3922	13382	

Btu/hr @ Δt50°C

# Radiators

## Henrad Compact Radiators

Compact Radiators		Single Convector Type 11			Double Convector Type 22		
Height	Length	Henrad Code	Heat Emissions		Henrad Code	Heat Emissions	
			Watts	Btu/hr		Watts	Btu/hr
900	400	2091104	544	1856	2092204	958	3269
	500	2091105	680	2320	2092205	1198	4088
	600	2091106	816	2784	2092206	1437	4903
	700	2091107	952	3248	2092207	1677	5722
	800	2091108	1088	3712	2092208	1916	6537
	900	2091109	1224	4176	2092209	2156	7356
	1000	2091110	1360	4640	2092210	2395	8172
1800	400	-	-	-	2182204	1584	5405
	500	-	-	-	2182205	1980	6756
	600	-	-	-	2182206	2376	8107



Double Convector Type 22



new

Single Convector Type 11

**HENRAD**  
Stelrad Group plc



Column Horizontal  
RAL 6033 Mint Turquoise

**OPEN UP  
A WORLD OF  
COLOUR**

Henrad Column or Verona ranges now available in 55 RAL colours and finishes.



**Guarantees**

**10** Years  
on Compact K3 Radiators

# Radiators



## Henrad Compact K3 Radiators

### Features + Benefits

The ideal choice for low energy systems, providing outstanding heat output from a smaller footprint

Henrad Compact K3 has 4 x 1/2" BSP connections as standard

Safety tested to withstand 10 Bar

Finish – Traffic white (RAL9016)

Dimensions – See below

**STEEL** Tested 10 Bar

### Compact K3 Radiators

Height	Length	Henrad Code	Heat Emissions	
			Watts	Btu/hr
<b>300</b>	1000	<b>2033310</b>	1349	4603
	2000	<b>2033320</b>	2698	9206
	600	<b>2053306</b>	1234	4210
	700	<b>2053307</b>	1439	4910
	800	<b>2053308</b>	1645	5613
	900	<b>2053309</b>	1850	6312
	1000	<b>2053310</b>	2056	7015
	1100	<b>2053311</b>	2262	7718
	1200	<b>2053312</b>	2467	8417
<b>500</b>	1400	<b>2053314</b>	2878	9820
	1600	<b>2053316</b>	3290	11225
	1800	<b>2053318</b>	3701	12628
	2000	<b>2053320</b>	4112	14030
	2400	<b>2053324</b>	4934	16835
	400	<b>2063304</b>	956	3262
	500	<b>2063305</b>	1195	4077
	600	<b>2063306</b>	1433	4889
	700	<b>2063307</b>	1672	5705
<b>600</b>	800	<b>2063308</b>	1911	6520
	900	<b>2063309</b>	2150	7336
	1000	<b>2063310</b>	2389	8151
	1100	<b>2063311</b>	2628	8967
	1200	<b>2063312</b>	2867	9782
	1400	<b>2063314</b>	3345	11413
	1600	<b>2063316</b>	3822	13041
	1800	<b>2063318</b>	4300	14672
	2000	<b>2063320</b>	4778	16303
<b>700</b>	2400	<b>2063324</b>	5734	19564
	500	<b>2073305</b>	1356	4627
	600	<b>2073306</b>	1627	5551
	700	<b>2073307</b>	1898	6476
	800	<b>2073308</b>	2170	7404
	900	<b>2073309</b>	2441	8329
	1000	<b>2073310</b>	2712	9253
	1100	<b>2073311</b>	2983	10178
	1200	<b>2073312</b>	3254	11103
	1400	<b>2073314</b>	3797	12955
	1600	<b>2073316</b>	4339	14805
	1800	<b>2073318</b>	4882	16657
	2000	<b>2073320</b>	5424	18507

Btu/hr @ Δt50°C

## Radiators

Guarantees

**10** Years  
on Espada Aluminium Radiators

## Espada Aluminium Vertical Radiators

Aluminium

Aluminium provides a quick heat up time, allowing for greater efficiency with low water content

1800 x  
520mm  
White

Aluminium

1800 x  
520mm  
Anthracite

## Single Vertical Panel

Finish – White or Anthracite  
Material – Aluminium  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

AL H

## White Finish

	Height	Width	Depth	End to End Connections	Watts	Btu/hr
ESAL-V1800218WH	1800	218	66	220	642	2190
ESAL-V1800366WH	1800	366	66	370	1070	3651
ESAL-V1800514WH	1800	514	66	520	1499	5113
ESAL-V1800662WH	1800	662	66	670	1927	6574

## Anthracite Finish

	Height	Width	Depth	End to End Connections	Watts	Btu/hr
ESAL-V1800218AT	1800	218	66	220	642	2190
ESAL-V1800366AT	1800	366	66	370	1070	3651
ESAL-V1800514AT	1800	514	66	520	1499	5113
ESAL-V1800662AT	1800	662	66	670	1927	6574

## Double Vertical Panel

Finish – White or Anthracite  
Material – Aluminium  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

AL H

## White Finish

	Height	Width	Depth	End to End Connections	Watts	Btu/hr
ESAL-VDP1800218WH	1800	218	91.5	220	1109	3783
ESAL-VDP1800366WH	1800	366	91.5	370	1849	6308
ESAL-VDP1800514WH	1800	514	91.5	520	2589	8833
ESAL-VDP1800662WH	1800	662	91.5	670	3329	11358

## Anthracite Finish

	Height	Width	Depth	End to End Connections	Watts	Btu/hr
ESAL-VDP1800218AT	1800	218	91.5	220	1109	3783
ESAL-VDP1800366AT	1800	366	91.5	370	1849	6308
ESAL-VDP1800514AT	1800	514	91.5	520	2589	8833
ESAL-VDP1800662AT	1800	662	91.5	670	3329	11358

Guarantees

**10** Years  
on Espada Aluminium Radiators

# Radiators

## Espada Aluminium Horizontal Radiators



### Single Horizontal Panel

Finish – White or Anthracite  
Material – Aluminium  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**AL** **H**

White Finish						
	Height	Width	Depth	Pipe Centres	Watts	Btu/hr
ESAL-H0440900WH	440	900	75	870	680	2319
ESAL-H04401200WH	440	1200	75	1150	881	3006
ESAL-H0588900WH	588	900	75	870	906	3092
ESAL-H05881200WH	588	1200	75	1150	1175	4009

Anthracite Finish						
	Height	Width	Depth	Pipe Centres	Watts	Btu/hr
ESAL-H0440900AT	440	900	75	870	680	2319
ESAL-H04401200AT	440	1200	75	1150	881	3006
ESAL-H0588900AT	588	900	75	870	906	3092
ESAL-H05881200AT	588	1200	75	1150	1175	4009

### Double Horizontal Panel

Finish – White or Anthracite  
Material – Aluminium  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**AL** **H**

White Finish						
	Height	Width	Depth	Pipe Centres	Watts	Btu/hr
ESAL-HDP0440900WH	440	900	122	870	1161	3960
ESAL-HDP04401200WH	440	1200	122	1150	1513	5163
ESAL-HDP0588900WH	588	900	122	870	1548	5281
ESAL-HDP05881200WH	588	1200	122	1150	2018	6886

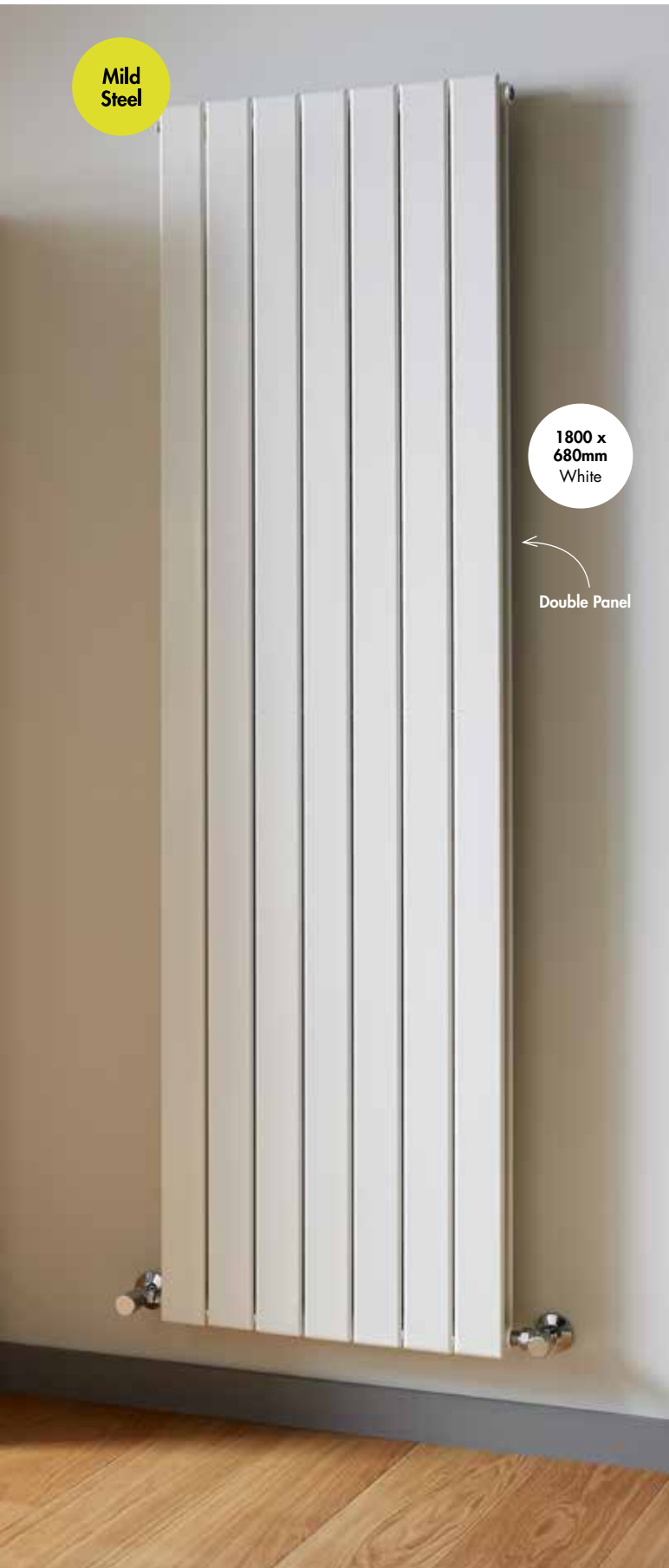
Anthracite Finish						
	Height	Width	Depth	Pipe Centres	Watts	Btu/hr
ESAL-HDP0440900AT	440	900	122	870	1161	3960
ESAL-HDP04401200AT	440	1200	122	1150	1513	5163
ESAL-HDP0588900AT	588	900	122	870	1548	5281
ESAL-HDP05881200AT	588	1200	122	1150	2018	6886

## Radiators

Guarantees

**15** Years  
on Espada Radiators

## Espada Vertical Radiators

**Single Panel**

Finish – White or Anthracite

Material – Mild Steel

All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**MS** **H****White Finish**

	Height	Width	Depth	Watts	Btu/hr
<b>ES-V180228WH</b>	1800	224	71	402	1372
<b>ES-V180376WH</b>	1800	376	71	670	2286
<b>ES-V180524WH</b>	1800	528	71	938	3200
<b>ES-V180672WH</b>	1800	680	71	1206	4115

**Anthracite Finish**

	Height	Width	Depth	Watts	Btu/hr
<b>ES-V180228AT</b>	1800	224	71	402	1372
<b>ES-V180376AT</b>	1800	376	71	670	2286
<b>ES-V180524AT</b>	1800	528	71	938	3200
<b>ES-V180672AT</b>	1800	680	71	1206	4115

**Double Panel**

Finish – White or Anthracite

Material – Mild Steel

All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**MS** **H****White Finish**

	Height	Width	Depth	Watts	Btu/hr
<b>ES-VDP180228WH</b>	1800	224	71	627	2139
<b>ES-VDP180376WH</b>	1800	376	71	1045	3566
<b>ES-VDP180524WH</b>	1800	528	71	1463	4992
<b>ES-VDP180672WH</b>	1800	680	71	1881	6418

**Anthracite Finish**

	Height	Width	Depth	Watts	Btu/hr
<b>ES-VDP180228AT</b>	1800	224	71	627	2139
<b>ES-VDP180376AT</b>	1800	376	71	1045	3566
<b>ES-VDP180524AT</b>	1800	528	71	1463	4992
<b>ES-VDP180672AT</b>	1800	680	71	1881	6418

Guarantees

**15** Years  
on Espada Radiators

# Radiators

## Espada Horizontal Radiators



### Single Panel

Finish – White or Anthracite  
Material – Mild Steel  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**MS** **H**

White Finish					
	Height	Width	Depth	Watts	Btu/hr
ES-H0450090WH	452	900	63	420	1433
ES-H0450120WH	452	1200	63	552	1883
ES-H0598090WH	604	900	63	560	1911
ES-H0598120WH	604	1200	63	736	2511

Anthracite Finish					
	Height	Width	Depth	Watts	Btu/hr
ES-H0450090AT	452	900	63	420	1433
ES-H0450120AT	452	1200	63	552	1883
ES-H0598090AT	604	900	63	560	1911
ES-H0598120AT	604	1200	63	736	2511

### Double Panel

Finish – White or Anthracite  
Material – Mild Steel  
All heat outputs are shown at 50°C Δt in compliance with BSEN442.

**MS** **H**

White Finish					
	Height	Width	Depth	Watts	Btu/hr
ES-HDP0450090WH	452	900	112	654	2231
ES-HDP0450120WH	452	1200	112	858	2927
ES-HDP0598090WH	604	900	112	872	2975
ES-HDP0598120WH	604	1200	112	1144	3903

Anthracite Finish					
	Height	Width	Depth	Watts	Btu/hr
ES-HDP0450090AT	452	900	112	654	2231
ES-HDP0450120AT	452	1200	112	858	2927
ES-HDP0598090AT	604	900	112	872	2975
ES-HDP0598120AT	604	1200	112	1144	3903

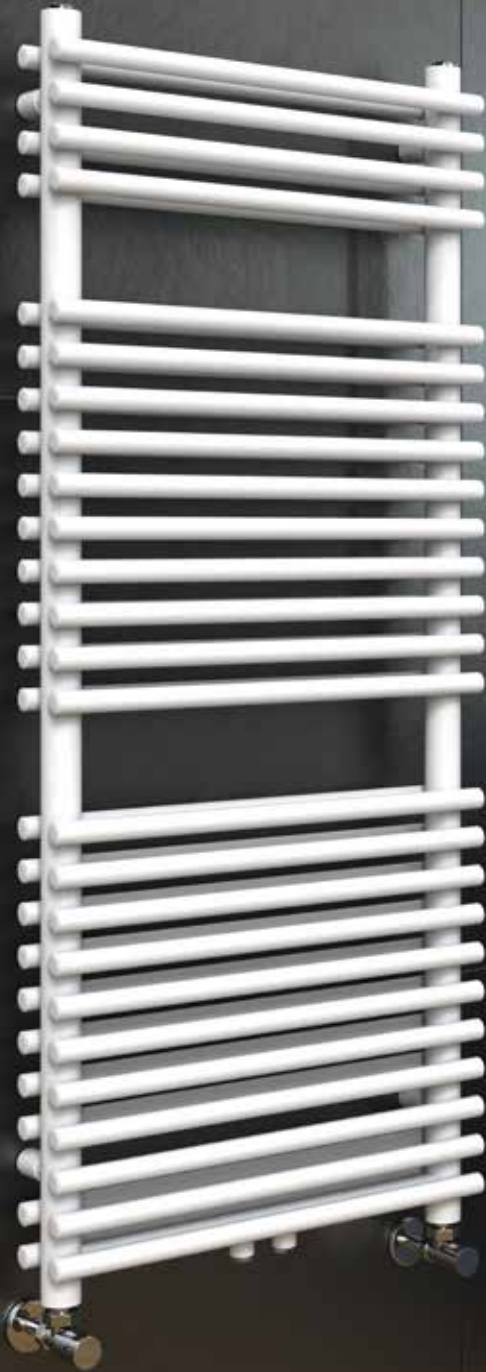
# Towel Rails

Guarantees

**15** Years  
on Tulla Towel Rails

new

Mild Steel



1200 x 500mm  
White



1800 x 500mm

## Tulla Towel Rails

Finish – White

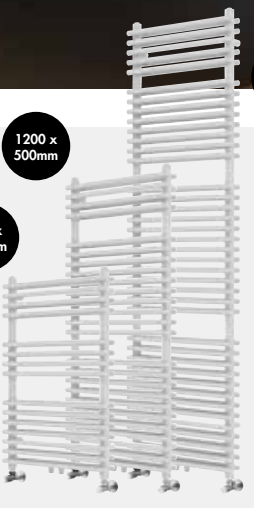
Material – Mild Steel

All heat outputs are shown at 50°C ΔT in compliance with BSEN442. Watts and Btu's apply to Heating and Dual Fuel only.

**MS** **H** **DF** **E**

### White Finish

	Height	Width	Depth	Bars	Pipe Centres	Watts	Btu/hr
TULLA800500WH	800	500	104	4-4-7	450-50	563	1920
TULLA1200500WH	1200	500	104	4-10-11	450-50	945	3224
TULLA1800500WH	1800	500	104	5-8-13-13	450-50	1484	5064



1200 x 500mm

800 x 500mm

## Don't forget your Heating System Chemicals

Instinct Pro Central Heating System Chemicals will actively contribute to a healthy heating system.



Page 92-93

Guarantees

**15** Years on 22mm Towel Rails

# Towel Rails



## 22mm Straight Towel Rails

Material – Mild Steel

All heat outputs are shown at 50°C Δt in compliance with BSEN442

**MS** **H** **DF** **E**

**Chrome Finish**

	Height	Width	Depth	Watts	Btu/hr	Electric Element
PHGT060-40CP	600	405	90-105	172	587	100
PHGT060-50CP	600	505	90-105	208	710	125
PHGT060-60CP	600	605	90-105	245	836	125
PHGT080-30CP	800	300	83-105	168	572	100
PHGT080-40CP	800	405	90-105	209	713	100
PHGT080-50CP	800	505	90-105	252	860	125
PHGT080-60CP	800	605	90-105	295	1007	150
PHGT080-75CP	800	755	90-105	359	1225	200
PHGT100-30CP	1000	305	90-105	211	720	150
PHGT100-40CP	1000	405	90-105	266	907	150
PHGT100-50CP	1000	505	90-105	321	1096	200
PHGT100-60CP	1000	605	90-105	378	1288	200
PHGT120-30CP	1200	300	83-105	245	837	200
PHGT120-40CP	1200	405	90-105	323	1102	200
PHGT120-50CP	1200	505	90-105	391	1335	200
PHGT120-60CP	1200	605	90-105	460	1567	300
PHGT120-75CP	1200	750	83-105	498	1701	300
PHGT140-50CP	1400	505	90-105	444	1516	300
PHGT140-60CP	1400	605	90-105	521	1775	300
PHGT160-40CP	1600	405	90-105	433	1475	300
PHGT160-50CP	1600	505	90-105	522	1780	300
PHGT160-60CP	1600	605	90-105	613	2091	400
PHGT180-40CP	1800	405	90-105	474	1617	400
PHGT180-50CP	1800	505	90-105	571	1949	400
PHGT180-60CP	1800	605	90-105	671	2287	400
PHGT180-75CP	1800	755	90-105	836	2852	400



**Matt Black Finish**

	Height	Width	Depth	Watts	Btu/hr	Electric Element
PHGT080-50ZMB	800	505	90-105	252	860	125
PHGT080-60ZMB	800	600	83-105	414	1413	150
PHGT120-50ZMB	1200	505	90-105	391	1335	200
PHGT120-60ZMB	1200	600	83-105	600	2047	300
PHGT160-50ZMB	1600	500	83-105	680	2320	300
PHGT160-60ZMB	1600	605	83-105	613	2091	400

# Controls

Section	Page No.
<b>Thermostatic Mixing Valves (TMVs)</b>	
15mm TMV2 / 3 Thermostatic Mixing Valve	81
22mm TMV2 / 3 Thermostatic Mixing Valve	81
15mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)	81
22mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)	81

<b>Thermostatic Radiator Valves (TRVs)</b>	
Modern Thermostatic Radiator Valves	82
15mm Thermostatic Radiator Valves	82
15mm Pipe Connection Tubes	82
Angled Valves	83
Straight Valves	83
One Piece Reducing Bullet	83

<b>Designer Radiator Valves</b>	
Contemporary / Traditional Radiator Valves	84
Coloured Valves	84
Elements	84

<b>Manual Radiator Valves</b>	
Angled Manual Radiator Valves	85
Straight Manual Radiator Valves	85
Ancillaries	85

## Our frequently ordered Controls products...



**15mm Angled TRV (Twin Pack)**  
Page 83



**Matt Black 15mm Angled TRV**  
Page 82



**Brushed Brass 15mm Angled TRV**  
Page 82



**Polished Chrome 15mm Angled TRV**  
Page 82






**Polished Chrome Modern 15mm Valve**  
Page 84



**Chrome 15mm Pipe Connection Tubes**  
Page 82

**Control Features**

				
Temperature Adjustment	Max Flow Temperature	Min. Operating Pressure	Max. Operating Pressure	Anti Scald

**Guarantees**

**1** Years on Thermostatic Mixing Valves (TMVs)

# Thermostatic Mixing Valves (TMVs)



**15mm TMV2 / 3 Thermostatic Mixing Valve**

Finish – Chrome  
Dimensions – 98(h) x 140(w) mm



40015CBA



**22mm TMV2 / 3 Thermostatic Mixing Valve**

Finish – Chrome  
Dimensions – 98(h) x 146(w) mm



40022CBA



**15mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)**

Finish – Chrome  
Dimensions – 98(h) x 132(w) mm



400MX15CBA



**22mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)**

Finish – Chrome  
Dimensions – 98(h) x 132(w) mm



400MX22CBA

# Thermostatic Radiator Valves (TRVs)

Guarantees

**1** Year on Thermostatic Radiator Valves (TRVs)

## Modern Thermostatic Radiator Valves (TRVs)



**Chrome (1/2" x 15mm)**

Dimensions –  
136(h) x 68(w) x 40(d) mm (Angled)  
84(h) x 118(w) x 40(d) mm (Straight)  
78(h) x 115(w) x 65(d) mm (Corner)

<b>INCNT004AP-CP</b>	Angled Valve
<b>INCNT004ST-CP</b>	Straight Valve
<b>INCNT024</b>	Corner Valve



**Matt Black (1/2" x 15mm)**

Dimensions –  
136(h) x 68(w) x 40(d) mm (Angled)  
84(h) x 118(w) x 40(d) mm (Straight)  
78(h) x 115(w) x 65(d) mm (Corner)

<b>INCNT004AP-BL</b>	Angled Valve
<b>INCNT004ST-BL</b>	Straight Valve
<b>INCNT024-BL</b>	Corner Valve



**Anthracite (1/2" x 15mm)**

Dimensions –  
136(h) x 68(w) x 40(d) mm (Angled)  
84(h) x 118(w) x 40(d) mm (Straight)  
78(h) x 115(w) x 65(d) mm (Corner)

<b>INCNT004AP-AT</b>	Angled Valve
<b>INCNT004ST-AT</b>	Straight Valve
<b>INCNT024-AT</b>	Corner Valve

## 15mm Thermostatic Radiator Valves (TRVs)



**Chrome (Twin Pack)**

Dimensions –  
130(h) x 42(w) x 65(d) mm (Angled)  
120(h) x 47(w) x 86(d) mm (Straight)

<b>15PACKACP.1</b>	Angled Valve
<b>15PACKSCP.1</b>	Straight Valve



**Classic Polished Chrome (Twin Pack)**

Dimensions –  
139(h) x 56(w) x 55(d) mm

<b>INST-AL055LC</b>	Angled Valve
---------------------	--------------



**Brushed Brass (1/2" x 15mm)**

Dimensions –  
136(h) x 68(w) x 40(d) mm

<b>INCNT004AP-ZBBS</b>	Angled Valve
------------------------	--------------

## 15mm Pipe Connection Tubes (Pair)



**Chrome**

Dimensions –  
150(h) x 15(w) x 15(d) mm

**INCNT005-C**



**Matt Black**

Dimensions –  
150(h) x 15(w) x 15(d) mm

**INCNT005-MB**



**Anthracite**

Dimensions –  
150(h) x 15(w) x 15(d) mm

**INCNT005-AT**



**Gloss White**







Dimensions –  
150(h) x 15(w) x 15(d) mm

**INCNT005-GW**

Guarantees

**1** Year on Thermostatic Radiator Valves (TRVs)

# Thermostatic Radiator Valves (TRVs)

Angled (TRVs)		Straight (TRVs)	
 <p><b>Best Seller</b></p> <p><b>White (15mm - Twin Pack)</b></p> <p>Dimensions – 140(h) x 76(w) x 48(d) mm</p> <p>Max 110°C Max 10 Bar</p> <p><b>15PACKAWHCP.1</b> Angled Valve</p>	 <p><b>White (10mm - Twin Pack)</b></p> <p>Dimensions – 140(h) x 76(w) x 48(d) mm</p> <p>Max 110°C Max 10 Bar</p> <p><b>10PACKAWHCP</b> Angled Valve</p>	 <p><b>White (15mm - Twin Pack)</b></p> <p>Dimensions – 124(h) x 85(w) x 48(d) mm</p> <p>Max 110°C Max 10 Bar</p> <p><b>15PACKSWHCP.1</b> Straight Valve</p>	
 <p><b>White (15mm)</b></p> <p>Dimensions – 140(h) x 76(w) x 48(d) mm</p> <p>Max 110°C Max 10 Bar</p> <p><b>15TRVAWHCP</b> Angled Valve</p>	 <p><b>White (10mm)</b></p> <p>Dimensions – 140(h) x 76(w) x 48(d) mm</p> <p>Max 110°C Max 10 Bar</p> <p><b>10TRVAWHCP</b> Angled Valve</p>	 <p><b>One Piece Reducing Bullet</b></p> <p><b>Brass (15 x 10mm)</b></p> <p>Dimensions – 30(h) x 50(w) x 60(d) mm</p> <p><b>1510RED</b></p>	

# INSTINCT<sup>2</sup>

## The Ideal Instinct<sup>2</sup> Combi Boiler

Available in outputs of 24, 30 and 35 kW the Instinct<sup>2</sup> provides a cost effective heating solution for a range of domestic installations. Designed for a compact space, quick and easy to install and with a low lift weight, the Instinct<sup>2</sup> combi boiler is the perfect fit.

[www.instinctproducts.co.uk](http://www.instinctproducts.co.uk)

Pages  
58-59



5

YEAR WARRANTY\*

Easy To Install

Guarantees

**1** Year on Designer Radiator Valves

# Designer Radiator Valves

## Contemporary / Traditional Radiator Valves



**Best Seller**

### Contemporary, Polished Chrome (15mm – Pair)

Dimensions –  
90.5(h) x 75(w) x 32(d) mm (Angled)  
75(h) x 87.5(w) x 32(d) mm (Straight)  
75(h) x 60(w) x 75(d) mm (Corner)

INST-AL025LC	Angled Valve
INST-AL024LC	Straight Valve
INST-AL029LC	Corner Valve



### Square, Polished Chrome (15mm – Pair)

Dimensions –  
82(h) x 76(w) x 30(d) mm (Angled)  
64(h) x 95(w) x 30(d) mm (Straight)

INST-AL030LC	Angled Valve
INST-AL031LC	Straight Valve



### Traditional, Polished Chrome (1/2" x 15mm – Pair)

Dimensions –  
110(h) x 115(w) x 46(d) mm

INST-AL034LC	Angled Valve
--------------	--------------

## Coloured Valves



### Matt Black (1/2" x 15mm)

Dimensions –  
83(h) x 75(w) x 30(d) mm (Angled)  
78(h) x 75(w) x 30(d) mm (Straight)  
73(h) x 70(w) x 70(d) mm (Corner)

INCNT003AP-ZMB	Angled Valve
INCNT003ST-ZMB	Straight Valve
INCNT023-MB	Corner Valve



### Anthracite (1/2" x 15mm)

Dimensions –  
83(h) x 75(w) x 30(d) mm (Angled)  
78(h) x 75(w) x 30(d) mm (Straight)  
73(h) x 70(w) x 70(d) mm (Corner)

INCNT003AP-ZAT	Angled Valve
INCNT003ST-ZAT	Straight Valve
INCNT023-AT	Corner Valve



### Gloss White (1/2" x 15mm)

Dimensions –  
83(h) x 75(w) x 30(d) mm (Angled)  
78(h) x 75(w) x 30(d) mm (Straight)

INCNT003AP-GW	Angled Valve
INCNT003ST-GW	Straight Valve

## Elements



### 15mm Dual Fuel Corner Radiator Valves (Pair)

Finish – Polished Chrome  
Dimensions – 71.8(h) x 64.3(w) x 68.5/48.3(d) mm

INST-AL049LC

### 1/2" M & F Dual Fuel Elbow

Finish – Chrome

DFF12



### Towel Rail Element (Inc. Tee Piece + 1/2" Plug)

Suitable for both dual-fuel and electric only  
Maintains liquid temperature between 40-54°C

TRE150	150W	TRE600	600W
TRE250	250W	TRE800	800W
TRE400	400W		

Are you looking to replace or install a new radiator?

Pages 70-73

With a slim profile and smooth, white finish, Henrad Compact and Compact K3 radiators will blend into any room in the house, to provide guaranteed heating performance.

Multiple Sizes



**Guarantees**

**1** Year  
on Manual Radiator Valves

# Manual Radiator Valves

## Angled Manual Radiator Valves



### 15 + 10mm Angled Manual Radiator Valve

Finish – Chrome / White  
Dimensions –  
31(h) x 72(w) x 70(d) mm (ER-15MMVAL)  
31(h) x 70(w) x 73(d) mm (ER-10MMVAL)

Max 85°C Max 20 Bar

**ER-15MMVAL** 15mm Angled Manual Valve  
**ER-10MMVAL** 10mm Angled Manual Valve



### 15 + 10mm Angled Manual Radiator Valve (Drain Off)

Finish – Chrome / White  
Dimensions –  
31(h) x 75(w) x 88(d) mm (ER-15MMDOVAL)  
32(h) x 82(w) x 82(d) mm (ER-10MMDOVAL)

Max 85°C Max 20 Bar

**ER-15MMDOVAL** 15mm Angled Manual Valve (Drain Off)  
**ER-10MMDOVAL** 10mm Angled Manual Valve (Drain Off)



### 15 + 10/8mm Angled Lockshield Manual Radiator Valve

Finish – Chrome / White  
Dimensions –  
35(h) x 78(w) x 75(d) mm (CEMMRV15)  
35(h) x 78(w) x 69(d) mm (CEMMRV10-8)

Max 85°C Max 20 Bar

**CEMMRV15** 15mm Angled Lockshield Manual Valve  
**CEMMRV10-8** 10/8mm Angled Lockshield Manual Valve



### 15 + 10/8mm Angled Lockshield Manual Radiator Valve (Drain Off)

Finish – Chrome / White  
Dimensions –  
29(h) x 85(w) x 91(d) mm (CEMDRN15)  
29(h) x 85(w) x 91(d) mm (CEMDRN10-8)

Max 85°C Max 20 Bar

**CEMDRN15** 15mm Angled Lockshield Manual Valve (Drain Off)  
**CEMDRN10-8** 10/8mm Angled Lockshield Manual Valve (Drain Off)

## Straight Manual Radiator Valves



### 15mm Straight Manual Radiator Valve

Finish – Chrome / White  
Dimensions –  
33(h) x 63(w) x 89(d) mm

Max 85°C Max 20 Bar

**ER-15MMSVAL** 15mm Straight Manual Valve

## Ancillaries



### Radiator Drain Off Tail Piece

Finish – Chrome  
Dimensions –  
32(h) x 54(w) x 41(d) mm

Max 85°C Max 10 Bar

**YU-JQAL213HC**



### Demountable 10mm Push Fit Elbow (Pair)

Finish – Chrome  
Dimensions –  
22(h) x 47(w) x 65(d) mm

Max 100°C Max 10 Bar

**459004**

# Water Treatment

Section	Page No.
<b>Scale Inhibitors</b>	
Magnetic Scale Inhibitor	87
Electrolytic Scale Inhibitor	87
Trade Magnetic Scale Inhibitor	87
<b>Water Softeners</b>	
Electric	88
Non-Electric	89
<b>Chemicals</b>	
Heating System Chemicals	91
Miscellaneous Chemicals	94
Powder Chemicals	96
<b>Magnetic Filters</b>	
22mm + 28mm Magnetic Filter (Isolation Valves)	98
Fernox TF1 Sigma UB Filter 22mm	99
Fernox TF1 Sigma Mini 22mm	99

## Our frequently ordered Water Treatment products...



**Best Seller**

**IN-100 Concentrate Corrosion Inhibitor**  
Page 92



**Smaller Bottle Size**

**IN-300 Concentrate System Cleaner**  
Page 92

### Water Treatment Features

There are many features in our Instinct Pro Water Treatment range. Use the icons to help choose the right option for you.

Manufactured in Great Britain	Manufactured Using Patented Technologies	Easy to Install and Maintain	Cost Saving Product	Dosing Amount – Up to 100 Litres
Dosing Amount – Up to 10 Radiators	Prevents Limescale + Corrosion	Dissolves Limescale	Removes Debris Suspended in Water	Seals Leaks + Weeping Joints
Improves Heat Transfer	Prevents Bacterial + Fungal Growth	Use with Power Flushing Machines	Non-Hazardous Formulation	Bottle Made from 50% Recycled Plastic
App Control via Mobile Device	Minimum Operating Pressure	Maximum Operating Pressure	Minimum Operating Temperature	Maximum Operating Temperature



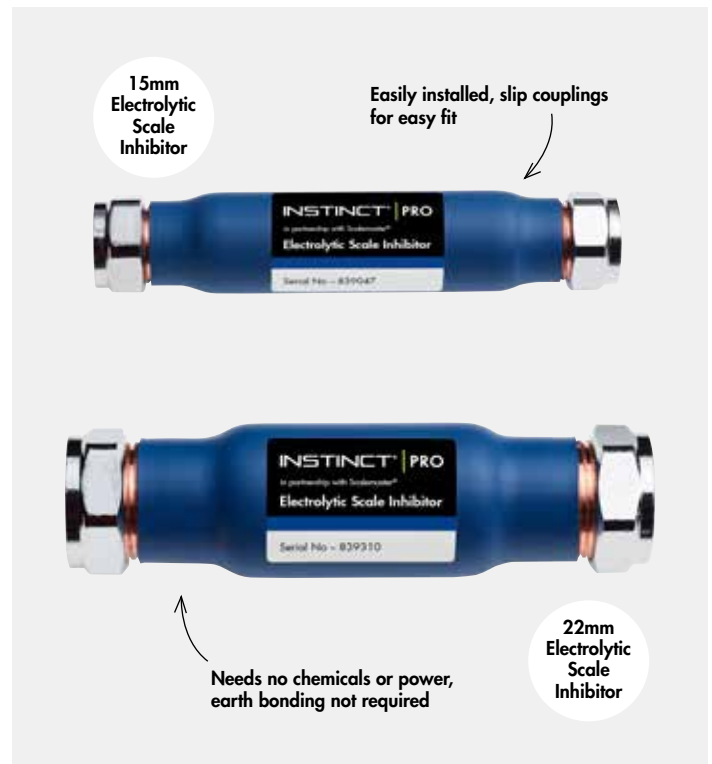
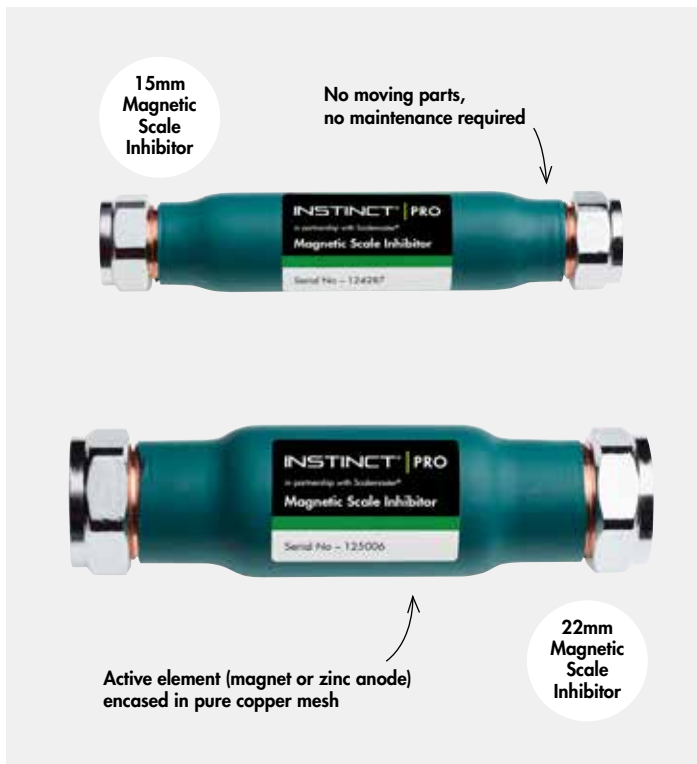
**Cost Saving Filter**

**22mm + 28mm Magnetic Filter (Isolation Valves)**  
Page 98

**Guarantees**

**2** Years on Scale Inhibitors      **1** Year on Trade Scale Inhibitor

# Scale Inhibitors



### Magnetic Scale Inhibitors

The range of Instinct Pro Scale Inhibitors are manufactured by Scalemaster® in the UK and incorporate the original Scalemaster® patented technology.

#### Copper Mesh Enhances Limescale Inhibitor Performance

Instinct Pro and Scalemaster® in-line limescale inhibitors incorporate an active element (magnet or zinc anode) encased in pure copper mesh. The mesh increases the surface area of copper in contact with the water passing through the unit which enhances the electrochemical effect (removal of dissolved oxygen and treatment to prevent limescale precipitation). Only Scalemaster® products use this technology (Patent No. 2285936) which has been proven in independent tests (by British Gas R&D) to extend boiler life typically by 50% by preventing scale build up in hard water areas. The copper mesh – zinc/magnet anode pair reduces the water flow rate through the unit by less than 1%.

#### Features + Benefits

- Easily installed**, slip couplings for easy fit
- No moving parts, **no maintenance required**
- Needs no chemicals or power**, earth bonding not required
- Made in the UK with Scalemaster® patented technology**

Single appliance protection

#### Saves on energy costs

Finish – Green  
 Dimensions –  
 130(l) x 28(d) mm (403328)  
 136(l) x 35(d) mm (403335)



**403328** 15mm Magnetic Scale Inhibitor  
**403335** 22mm Magnetic Scale Inhibitor

### Electrolytic Scale Inhibitors

The range of Instinct Pro Scale Inhibitors are manufactured by Scalemaster® in the UK and incorporate the original Scalemaster® patented technology.

#### Copper Mesh Enhances Limescale Inhibitor Performance

Instinct Pro and Scalemaster® in-line limescale inhibitors incorporate an active element (magnet or zinc anode) encased in pure copper mesh. The mesh increases the surface area of copper in contact with the water passing through the unit which enhances the electrochemical effect (removal of dissolved oxygen and treatment to prevent limescale precipitation). Only Scalemaster® products use this technology (Patent No. 2285936) which has been proven in independent tests (by British Gas R&D) to extend boiler life typically by 50% by preventing scale build up in hard water areas. The copper mesh – zinc/magnet anode pair reduces the water flow rate through the unit by less than 1%.

#### Features + Benefits

- Easily installed**, slip couplings for easy fit
- No moving parts, **no maintenance required**
- Needs no chemicals or power**, earth bonding not required
- Made in the UK with Scalemaster® patented technology**

Whole house protection

#### Saves on energy costs

Finish – Blue  
 Dimensions –  
 130(l) x 28(d) mm (403342)  
 136(l) x 32(d) mm (403359)



**403342** 15mm Electrolytic Scale Inhibitor  
**403359** 22mm Electrolytic Scale Inhibitor



### Trade Magnetic Scale Inhibitor

Finish – White  
 Dimensions –  
 120(l) x 20(d) mm (without connections)  
 160(l) x 20(d) mm (with connections)



**403274** 15mm Trade Magnetic Scale Inhibitor

# Water Softeners (Electric)

## Guarantees

**5** Years  
 Parts

**3** Years  
 Labour on BWT Softlux Water Softeners

**1** Year  
 on BWT Bon Aqua Water Softeners

### Softlux Water Softeners



#### BWT Softlux 10 Litre Water Softener

##### Features + Benefits

For homes up to 4 people where space is at a premium

Electronic control system, softener adapts to your Lifestyle, **Tablet or Block Salt\* can be used (\*SL10P only)**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 532(h) x 270(w) x 480(d) mm

Water used per regeneration – <75Litres



**SL10** With 15mm Install Kit

**SL10P** With 22mm Install Kit (with 22mm Hi-Flow Hoses)



#### BWT Softlux 20 Litre Water Softener

##### Features + Benefits

For larger homes up to 8 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet Salt can be used**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 804(h) x 270(w) x 480(d) mm

Water used per regeneration – <125Litres



**SL20** With 15mm Install Kit



#### BWT Softlux 14 Litre Water Softener

##### Features + Benefits

For homes up to 6 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet or Block Salt\* can be used (\*SL14P only)**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 602(h) x 270(w) x 480(d) mm

Water used per regeneration – <80Litres



**SL14** With 15mm Install Kit

**SL14P** With 22mm Install Kit (with 22mm Hi-Flow Hoses)



#### BWT Softlux 25 Litre Water Softener

##### Features + Benefits

For larger homes up to 10 people with multiple bathrooms

Electronic control system, softener adapts to your Lifestyle, **Tablet Salt can be used**

Low voltage control system for safety and ease of installation

Finish – White

Dimensions – 804(h) x 270(w) x 480(d) mm

Water used per regeneration – <145Litres



**SL25** With 15mm Install Kit

### Bon Aqua Water Softeners



#### BWT Bon Aqua 10 Litre Water Softener

##### Features + Benefits

For homes up to 4 people with multiple bathrooms

Meter controlled, **Tablet Salt can be used**

Finish – Orange + Black

Dimensions – 532(h) x 270(w) x 480(d) mm

Water used per regeneration – <75Litres



**CILSOFT45** With 15mm Install Kit

**CILSOFT45-NK** Without 15mm Install Kit



#### BWT Bon Aqua 15 Litre Water Softener

##### Features + Benefits

For homes up to 6 people with multiple bathrooms

Meter controlled, **Tablet Salt can be used**

Finish – Orange + Black

Dimensions – 602(h) x 270(w) x 480(d) mm

Water used per regeneration – <80Litres



**CILSOFT55** With 15mm Install Kit

**CILSOFT55-NK** Without 15mm Install Kit

**Guarantees**

**2** Years  
on Scalemaster® Water Softeners

# Water Softeners (Non-Electric)

## Scalemaster® Water Softeners



### Scalemaster® Softline SL-S Water Softener

**Features + Benefits**

For homes up to 2 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Black + Blue

Dimensions – 492(h) x 235(w) x 425(d) mm

Water used per regeneration – <25Litres



**900292** Single Tank



### Scalemaster® Softline SL-150 Water Softener

**Features + Benefits**

For homes up to 2 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No electricity or separate installation kit required

Finish – Black + Blue

Dimensions – 470(h) x 240(w) x 483(d) mm

Water used per regeneration – <18Litres



**900100** Single Tank (15mm Standard)  
**900131** Single Tank (22mm Hi-Flow)



### Scalemaster® Softline SL-Twin Water Softener

**Features + Benefits**

Twin Tank design gives continuous, uninterrupted soft water

For homes up to 3 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Grey + Black

Dimensions – 495(h) x 205(w) x 475(d) mm

Water used per regeneration – <23Litres



**900322** Twin Tank



### Scalemaster® Softline SL-X Water Softener

**Features + Benefits**

For homes up to 4 bathrooms

Low salt and water usage

Tablet or Block Salt can be used

No Electricity Required

Finish – Black + Blue

Dimensions – 576(h) x 343(w) x 547(d) mm

Water used per regeneration – <25Litres



**900308** Single Tank



### Scalemaster® 15mm Standard Installation Kit

Finish – White + Black

Dimensions – 323(h) x 137(w) x 315(d) mm

**900803** 15mm Standard Installation Kit



### Scalemaster® 22mm Hi-Flow Installation Kit

Finish – Blue + Black

Dimensions – 323(h) x 137(w) x 315(d) mm

**900810** 22mm Hi-Flow Installation Kit

# INSTINCT® | PRO

in partnership with Scalemaster®

Complete  
Range  
Available

## The perfect concentration for reliable results



[www.instinctproducts.co.uk](http://www.instinctproducts.co.uk)

# Chemicals

## Introducing the range

Alongside Scalemaster®, a leading supplier of quality water treatment products for over 30 years, Instinct Pro has continued its commitment to product innovation, energy efficiency and the environment with a range of chemical solutions for heating systems.

All 250ml bottles are manufactured from 50% recycled High Density Polyethylene (HDPE)

All 250ml bottles are fully recyclable due to the white caps & security rings

All 250ml bottles will treat a 100 Litre (10 Rad) system

All 250ml bottles are Non-Hazardous formulations

250ml IN-100 Corrosion Inhibitor is NSF CIAS Approved

Ideal for dosing through a system filter

IN-100 in box quantities of 20, all other 250ml products in the range in mixed boxes of 20



Bottles Made from  
50% Recycled Plastic



Manufactured in  
Great Britain



scan me



**IN-100 Concentrate  
Corrosion Inhibitor**



scan me



**IN-200 Concentrate  
Boiler Noise Silencer**



scan me



**IN-300 Concentrate  
System Cleaner**



scan me



**IN-400 Concentrate  
Sludge Remover**



scan me



**IN-500 Concentrate  
Leak Sealer**



scan me



**IN-600 Concentrate  
Heat Optimiser**



scan me



**IN-700 Concentrate  
System Biocide**



scan me



**IN-800 Concentrate  
Power Cleaner**

# Chemicals

## Heating System Chemicals

### IN-100 Corrosion Inhibitor

**Features + Benefits**

Prevents corrosion, hard water limescale precipitation

Essential for protecting hot water heating systems and maintaining operational efficiency

The 5 Litre Bottle (504582) is concentrated and will dose 2000 Litres

**Dimensions –**

250(h) x 55(w) x 55(d) mm (504513)

137(h) x 72(w) x 49(d) mm (504223)

275(h) x 175(w) x 125(d) mm (504582)



504513	300ml Aerosol
504223	250ml Bottle
504582	5 Litre Bottle (Concentrated)



### i-Test

**Features + Benefits**

Provides full annual testing compliance with BS7593:2019 in under 5 minutes.

Works with all chemical inhibitors

Dimensions – 108(h) x 145(w) x 50(d) mm

506104	Kit
506111	10 Replacement Probes
506128	50 Replacement Probes



### Rapid Inhibitor Test Strips

**Features + Benefits**

Rapid testing of central heating inhibitor concentration

Works with Instinct inhibitors and all other Nitrate based inhibitors

Dimensions – 85(h) x 45(w) x 40(d) mm

504803	50 Test Strips
--------	----------------

## Environmentally Friendly

All Instinct Pro Heating System Chemicals are manufactured in the UK by Scalemaster® in a concentrate form, minimising shipping.

All 250ml bottles are manufactured from 50% recycled High Density Polyethylene (HDPE) and are fully recyclable due to the white caps and security rings.

### IN-300 System Cleaner

**Features + Benefits**

For commissioning new heating systems

Removes installation foulants, flux, grease and debris suspended in water by flushing.

Should be left in system minimum 2 hours, maximum 2 weeks

The 5 Litre Bottle (504599) is concentrated and will dose 2000 Litres

**Dimensions –**

250(h) x 55(w) x 55(d) mm (504520)

137(h) x 72(w) x 49(d) mm (504247)

275(h) x 175(w) x 125(d) mm (504599)



504520	300ml Aerosol
504247	250ml Bottle
504599	5 Litre Bottle (Concentrated)



# Chemicals

## Heating System Chemicals

### IN-500 Leak Sealer

**Features + Benefits**

For the internal sealing of inaccessible leaks and weeping joints

**Forms a soft seal within 24 hours**

Will not cause blockages in circulatory pumps or air vents

Dimensions –  
250(h) x 55(w) x 55(d) mm (504537)  
137(h) x 72(w) x 49(d) mm (504261)



504537 300ml Aerosol  
504261 250ml Bottle



### Leak Sealer Paste

Dimensions – 140(h) x 35(w) x 25(d) mm

504384 50g



### IN-200 Boiler Noise Silencer

Dimensions – 137(h) x 72(w) x 49(d) mm



504230 250ml Bottle



### IN-400 Sludge Remover

Dimensions – 137(h) x 72(w) x 49(d) mm



504254 250ml Bottle



### IN-600 Heat Optimiser

Dimensions – 137(h) x 72(w) x 49(d) mm



504278 250ml Bottle



### IN-700 System Biocide

Dimensions – 137(h) x 72(w) x 49(d) mm



504285 250ml Bottle



### IN-800 Power Cleaner

Dimensions – 137(h) x 72(w) x 49(d) mm



504292 250ml Bottle



### Chemical Filling Kit

**Features + Benefits**

For use with 250mm x 5 litre bottles, fits all 38mm (38/23) neck bottles

**Allows visual checks on flow of liquid**

Acute tube bend radius prevents kinks and allows use in tight spaces

Dimensions – 144(h) x 42(w) x 42(d) mm

701332

# Chemicals

## Miscellaneous Chemicals



### Heavy Duty Drain Cleaner

#### Features + Benefits

Strong solution which **clears drains of grease, oils, fat and hair rapidly**

Can be used in domestic and commercial applications

Dimensions – 248(h) x 84(w) x 84(d) mm



504780

1 Litre Bottle



### Drain + Toilet Cleaner (Enzyme Based)

#### Features + Benefits

Effective enzyme-based treatment to **clean and eliminate unwanted odours**

**Non-acidic, non-caustic, non-bleach and biodegradable**

Dimensions – 261(h) x 95(w) x 60(d) mm



504636

750ml Bottle



### Sink + Drain Unblocker (Enzyme Based)

#### Features + Benefits

Effective enzyme-based treatment for **unblocking sinks and drains**

**Non-acidic, non-caustic, non-bleach and biodegradable**

Dimensions – 248(h) x 84(w) x 84(d) mm



504629

1 Litre Bottle



### General Purpose Descaler

#### Features + Benefits

Multi-purpose, biodegradable, phosphate-free, rapid action de-scaler, no nasty odours

**Saves energy**

Dimensions – 143(h) x 55(w) x 55(d) mm



504612

250ml Bottle



### Inhibited Antifreeze (Concentrated)

#### Features + Benefits

Long term **protection against corrosion and limescale**

Use in central heating systems, underfloor heating, heat pumps and solar panels

Dimensions –  
275(h) x 175(w) x 125(d) mm (504742)  
440(h) x 275(w) x 235(d) mm (504759)



504711

5 Litre Bottle

504728

25 Litre Bottle



### Towel Rail Antifreeze (Pre-Mixed)

#### Features + Benefits

Protects against burst pipes down to **-29°C**

Includes added corrosion and limescale inhibitors

Dimensions – 248(h) x 84(w) x 84(d) mm



504773

1 Litre Bottle



Works with  
all chemical  
inhibitors

# Real-time measurement of corrosion inhibitor protection, on-site, in under 5 minutes!

(For annual testing compliance with BS7593:2019)



Take a closer look at the  
i-Test features video,  
scan to find out more



Phone not included.

# Powder Chemicals

## Guarantees

**1** Year  
 on BWT Power Crystals

**new**
**3 Sachets  
 = 1 Dose**


### BWT Power Crystals Cleaner

BWT Power Crystals are a quick and effective cleaner for all types of wet central heating systems. They offer the power of a liquid in an easy to carry sachet of crystals. Their powerful formula make them ideal for quick and more intensive cleaning when required. They have been developed to remove all debris, sludge, and scale from new and existing closed loop systems. A cleaner system will help restore your heating systems efficiency and reduce boiler noise.

#### Features + Benefits

Suitable for closed loop, wet central heating systems

Reduced risk from manual handling and reduced risk of contamination from spills (compared to similar liquid products)

#### Resistant to high and low temperatures

1 dose treats heating systems up to 150 litres

#### Descales, deoxidises and removes sludge

#### Fast, clean and convenient to use

#### Easy to transport, carry, and store

Perfect for new and existing systems

Less plastic, packaging and carbon foot print (per treatment)

Up to 50% more cleaning capacity per pack\*

Slow and fast clean in one



#### POWERCRYSTALSCLEANER

Power Crystals Cleaner (3 Sachets Per Pack)

\*based on the size of system to be treated when compared to similar products

**new**
**Prevents  
 Limescale**


### BWT Power Crystals Protector

BWT Power Crystals are a quick and effective inhibitor and system protector suitable for all types of wet central heating systems. They offer the protection power of a liquid in an easy to carry sachet of crystals. Their powerful formula make them ideal for systems up to 150 litres from a single dose. They have been developed to protect new and existing closed loop systems from scale and corrosion. A cleaner system will help maintain your heating systems efficiency and reduce system noise giving you peace of mind and a warmer home.

#### Features + Benefits

Suitable for closed loop, wet central heating systems

Reduced risk from manual handling and reduced risk of contamination from spills (compared to similar liquid products)

#### Helps prevent limescale, corrosion and sludge

#### Fast, clean and convenient to use

#### Easy to transport, carry, and store

Perfect for new and existing systems

Less plastic, packaging and carbon foot print (per treatment)

Up to 50% more volume protection per pack\*

No risk of messy spills



#### POWERCRYSTALPROTECTOR

Power Crystals Protector

\* based on the size of system to be treated when compared to similar products

# Switch things up. Isolate the mains with the flick of a switch.



**surestop**®

Solution for vulnerable tenants  
and people with reduced mobility

Easy to install. No electrical  
supply required

**[surestop.co.uk](https://www.surestop.co.uk)**

# Magnetic Filters



## 22mm + 28mm Magnetic Filter (Isolation Valves)

The Instinct ECO-Mag magnetic central heating filter is the ideal solution to help combat against costly and unnecessary system breakdowns caused by both magnetic and non ferrous particulate in fluid based systems. The Instinct ECO-Mag can be used on all types of central heating systems and it is recommended, for maximum effect, that the filter be fitted on the return leg of the system, between the last radiator and the boiler.

### Features + Benefits

Magnetic filter, non ferrous filter and manual air separator **actively filters magnetite and non ferrous debris**

**12000 gauss** removable magnet

500ml large dosing pot capacity enables installers to **quickly dose without having to drain down the whole system**

Manual air bleed, even if the filter isn't serviced, it will never inhibit system performance as its unique connection, aided by full bore isolation valves, means that it will never block

Supplied with a full set of spare sealing washers and O-rings

Full bore isolating ball valves on inlet and outlet connections ensures that full flow is always achieved to maintain system performance

**Can be installed anywhere, in any orientation on the pipework saving the installer time and money**

Finish – Black

Dimensions –

242(h) x 232(w) x 157(d) mm (INMAG22)

242(h) x 245(w) x 157(d) mm (INMAG28)



INMAG22 22mm Magnetic Filter (Isolation Valves)

INMAG28 28mm Magnetic Filter (Isolation Valves)

MAGFILTOOL Spanner for INMAG Magnetic Filters

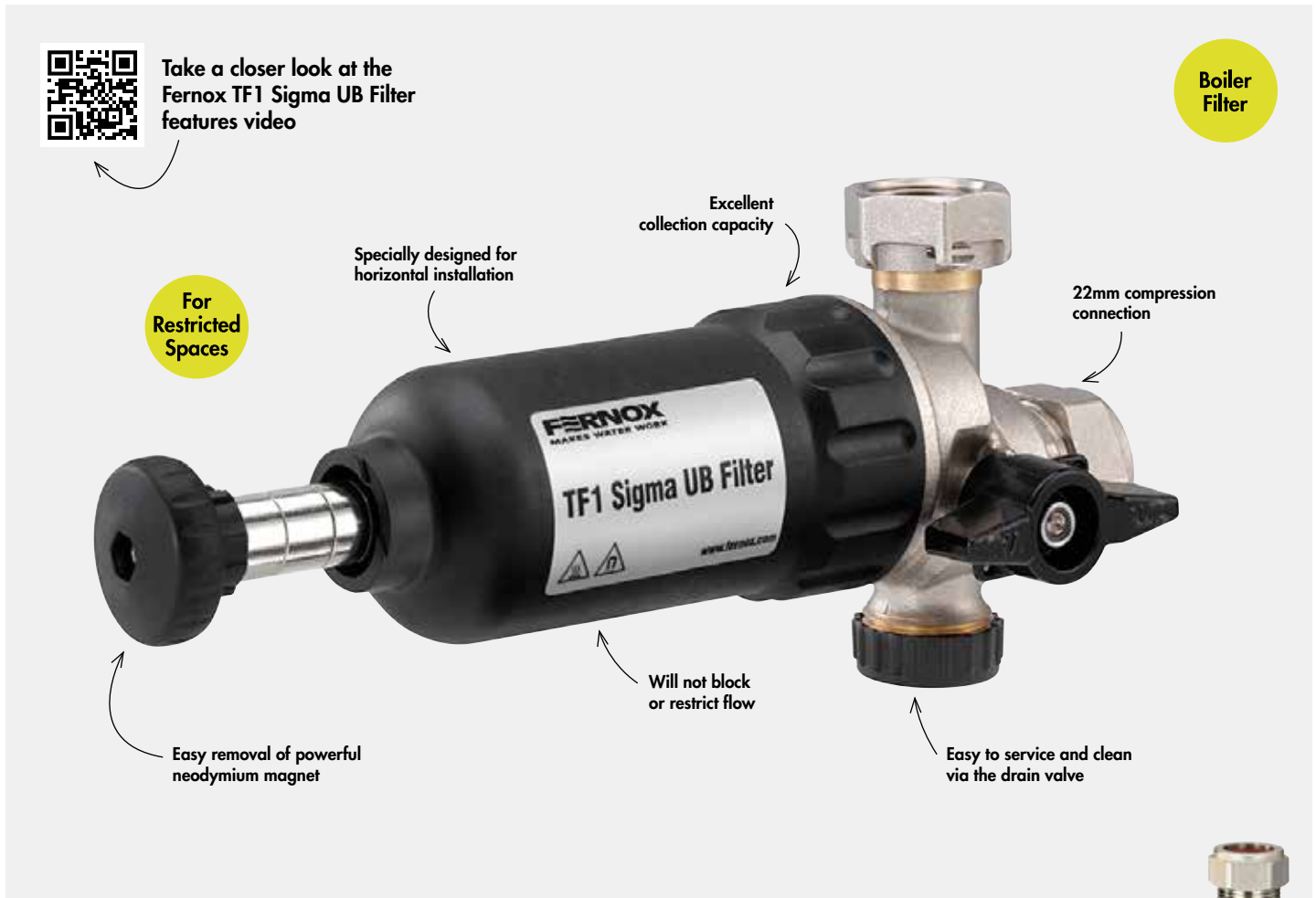


Water is guided through the components of the Inta magnetic filter to achieve maximum filtration with each pass of the circuit.

**Guarantees**

**10** Years on Fernox Magnetic Filter

# Magnetic Filters



## Fernox TF1 Sigma UB Filter (Suitable with Ideal Instinct<sup>2</sup> Combi Boilers)

Composite under boiler system filter with a brass manifold designed for easy installation in small, restricted areas and with concealed pipework. This high-performance filter can be installed directly under the boiler or in restricted spaces due to the compact, versatile design. The TF1 Sigma UB Filter offers the ultimate in installer choice and provides high efficiency protection against the build-up of system debris.

The Filter has been designed to ensure there is minimal pressure loss in addition to maintaining a high collection efficiency. The filter has been designed to capture a range of system contaminants, whilst also ensuring it cannot block, reduce flow through pipework or impact the performance of the heating system.

The TF1 Sigma UB Filter utilises a range of high-quality component parts that ensure the filter offers optimum performance. The three-way ball valve has been designed to allow users to easily operate by hand, whilst also providing a reliable serving procedure. The filter manifold includes a secure connection to the system and a robust service point allowing the filter to be drained and cleaned. The magnet is made using premium grade neodymium, enabling a high efficiency capture rate, as well as a robust filtration medium that will ensure a continued and consistent level of collection.

**Features + Benefits**

A high capacity, **compact design**

**Ideal for use in restricted spaces**

Integrated three way valve with filter isolation and cleaning functionality

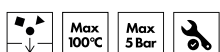
**Durable and robust construction**, made from a high-quality glass reinforced engineering polymer, and non-porous forged brass

Will not block or restrict flow

Can replace return valve if required for ease of maintenance

Finish – Black

Dimensions – 88(h) x 189(w) x 73(d) mm



62631

Fernox TF1 Sigma UB Filter 22mm



## Fernox TF1 Sigma Mini Filter (Suitable with Ideal Instinct<sup>2</sup> Combi Boilers)

The TF1 Sigma Mini is a compact high-performance system filter that utilises a powerful neodymium magnet to protect your system against the damaging effects of corrosion. The TF1 Sigma Mini has one of the smallest footprints of any filter in the marketplace, which means it can be easily installed directly below a boiler or in restricted spaces on horizontal or vertical pipework.

**Features + Benefits**

**One of the most compact filters in the market, specifically designed for restricted spaces with as little as 105mm clearance**

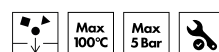
**Easy and quick to install**

Designed to ensure there is minimal pressure head loss in addition to maintaining a high collection efficiency, whilst ensuring the filter cannot block

**Mess-free, fast and easy servicing** via the filter drain point, without the need to dismantle component parts

Finish – Black

Dimensions – 75(h) x 173(w) x 128(d) mm



62708

Fernox TF1 Sigma Mini 22mm

# Consumables

Section Page No.

## Press Tools

<b>new</b> ROTHENBERGER Press Tool	102
<b>new</b> ZUPPER® Press Tool	103

## Plumbing Tools

Monument Masters SweatBOX®	104
Soldering + Brazing	105
Monument Masters + Bending	106
Copper Pipe Cutting + Deburring	107
Plastic Pipe Cutting	109
Sawing + Cutting	110
Radiators	111
Taps + Stopcocks	112
Compression Fittings + Immersion Heaters	113
Boilers, Flues + System Testing	114
Wrenches + Spanners	115
Miscellaneous	115
<b>new</b> Detection	116
Servicing Essentials	116
Aerosol, Grease + Solutions	118
PPE + Cleaning	119

## Pre-Packed Fittings

Pre-Packed Fittings	120
PTFE Tape 12mm x 12m Reel (WRAS)	127
PTFE Tape 12mm x 5m Reel (Gas)	127

## Pipe Clips + Trunking

Pipe Clips	128
Trunking Accessories	129

## Consumables Features

There are many features in our Instinct Pro Consumables range. Use the icons to help choose the right option for you.



### App Control

The ROMAX COMPACT III is ROTHENBERGER's first smart press machine with Bluetooth connectivity. Via the ROTHENBERGER app, tool and smartphone can be connected, providing the user real-time access to relevant machine and press data.



### Press Cycle Time

A pressing can take no more than either 2 or 3 seconds.



### Service Interval

The ZUPPER MP-1930 press tool requires a service every 20,000 pressings/2 years.

The ROTHENBERGER ROMAX Compact III press tool requires a service every 40,000 pressings/2 years.

## Our frequently ordered Consumable products...



**Instinct Pro  
15mm Pipe Bender**  
Page 106



**15mm Autocut®  
Copper Pipe Cutter**  
Page 107



**15mm Drain  
Down Hose**  
Page 114



**200mm (8") Wide Jaw  
Adjustable Wrench  
38mm Cap**  
Page 115



**Omat® 250mm (10")  
Soldering + Brazing  
Pad**  
Page 105

**ROTHENBERGER**  
pipetool technologies at work



# NEW

## DRILLING & CUTTING ACCESSORY RANGE

Quality you can trust from **ROTHENBERGER**

Use bonus points that are packaged with the Compact III at [www.rothenberger.com/gb-en/bonus-programme/](http://www.rothenberger.com/gb-en/bonus-programme/) to claim a new battery FOC

**Guarantees**  
**2** Years on Rothenberger Press Tool

# Press Tools

**new**

**Compact Design**

**R-System Label**  
Jaw matching indicator reduces misuse risk of attaching incompatible jaws

**Balanced Design**  
Optimized in weight and size for better machine handling in daily use

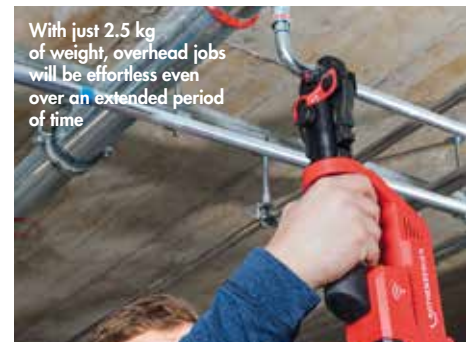
**New Jaw Lock System**  
New Jaw Locking System allows convenient Attaching/Detaching of Press Jaws

**Multiple battery systems**  
Suitable for AMPShare or CAS battery systems

**Bluetooth® inside**  
Connects the machine with ROTHENBERGER App

**Take a closer look at the ROMAX Compact III features video, scan to find out more**

**100000 4333**



## ROTHENBERGER ROMAX Compact III

Smart Electro-Hydraulic Press Tool (battery-operated) for pressing of fittings up to 35mm (Metal) and / or 40mm (Plastic / Multilayer) with 19kN.

The ROMAX Compact III is 3 seconds fast, 2.5kg light and 19kN strong. Through the perfect handling, the machine is particularly suitable for domestic installations, high volume pressings or service installations.

### Features + Benefits

**Connected** – Real-Time Data Gathering of Pressing Data and Creation of Job Reports via ROTHENBERGER App. Remote locking.

**Fast** – thanks to turbo pressure a pressing takes only 3 seconds

**Strong** – presses metal fittings up to Ø 35mm and multilayer up to Ø 40mm

**Handy** – perfectly balanced, the centre of gravity is where the user holds the tool

**Small + lightweight** – with 34cm in length, the ROMAX Compact III weighs just 2.5kg

**Tool Servicing** – The first service is free!

Finish – Black / Red

Dimensions – 140(h) x 390(w) x 390(d) mm



**1000004271** ROMAX Compact 3 Press Crimping Tool – Basic Set 1

**1000004333** ROMAX Compact 3 Press Crimping Tool + M Profile Jaw Set 15-22-28mm

**1000004278** ROMAX Compact 3 Press Crimping Tool + SV Profile Jaw Set 15-22-28mm

**1000004285** ROMAX Compact 3 Press Crimping Tool + U Profile Jaw Set 16-20-25mm

**1000004424** ROMAX Compact 3 Press Crimping Tool + TH Profile Jaw Set 16-20-26mm



### Specification

Voltage	18 V
Working area diameter	12 - 40mm
Working area Temperature	-10°C up to 60°C
Battery System	Li-Ion / Li-Po battery (rechargeable)
Press Jaw System	Press Jaw Compact
Piston Force	19kN
Time Press Cycle with Unit of Measurement	3 sec
Capacity Battery with Unit of Measurement	2Ah

**Guarantees**

**2** Years  
on ZUPPER® Press Tool

**Press Tools**

**180° rotatable head**

**Enclosed screw structure prevents sand and dust**

**One key control switch, automatically completes press cycle**

**Ergonomic design, comfortable operation**

**Brushless Motor with longer motor life and more run time**

**180° jaw adaptor allows for pressing in tight areas**

Take a closer look at the ZUPPER® MP-1930 features video, scan to find out more

**new**

**Efficient + Reliable**

**40 Min. Charge Time**

**ZUPPER® MP-1930 Battery Powered Mechanical Press Tool**

The MP-1930 is the newest addition of press tool with mechanical system, it is faster and efficient way to join metal pipe and plastic pipe.

It works with copper, stainless steel, PEX and multi-layer composite pipe and fittings. The hard outer case is easy carry and houses all of the components for the Z-Press M-Profile Press tool.

**Features + Benefits**

The tool is **easier to do maintenance**

Enclosed screw structure prevents sand and dust

Brushless motor with **longer motor life and more run-time**

High efficiency screw drive, **faster pressing time**

Ergonomic design, **comfortable operation**

**ONE KEY** control switch, **automatically completes press cycles**

The indicator light, with green indicating completion of press cycle, and red indicating press error or tool malfunction

OLED display shows battery percentage, press cycles, fault code, maintenance note

**Capacity** – Up to 35mm Stainless steel pipe, Copper pipe.  
Up to 40mm Plastic pipe, Multi-layer composite pipe

Finish – Black / Blue

Dimensions – 530(h) x 380(w) x 130(d) mm



**MLPM-1930**

MP-1930 Battery Press Tool Kit (Inc. Outer Case, Crimp Tool, Jaws 15mm, 22mm, 28mm & 35mm Charger, Two Batteries and Strap)



**Specification**

Output	19 kN
Stroke	30 mm
Press Cycle Time	2S
Battery	18V Li-Ion 2.0Ah
Battery Charger	AC 100V-240V 50-60Hz
Charging Time	Approx. 40mins
Weight	Approx. 2.4kg (tool with battery)

# Plumbing Tools

## Guarantees

**1** Year  
on Plumbing Tools



Take a closer look at the  
SweatBOX® features video



### Monument Masters SweatBOX®

The SweatBOX® is the ultimate plumbers soldering tray.

The SweatBOX® features a flame retardant engineering grade plastic with a patented clamp for holding different sizing of copper pipe up to 22mm or ¾".

There is a silicone strip edge to the SweatBOX® ensuring heat is not conducted from the hot copper pipe to the plastic of the SweatBOX® or the clients property. Adhesive rubber feet are included, helping to prevent scratches to surfaces. The sealed compartments are ideal for holding a gas bottle, separated blowtorch and all the essentials needed for soldering or sweating a joint. There's even a compartment for flux brushes.

Finish – Yellow

Dimensions – 435(h) x 330(w) x 240(d) mm

**MAST20201L**

**Guarantees**

**1** Year  
on Plumbing Tools

# Plumbing Tools

## Soldering + Brazing

### Omat® Soldering + Brazing Pad

#### 250mm (10") Soldering + Brazing Pad

The INST2361 OMAT® is a patented, slotted protection mat for soldering pipes and tubes to protect walls, cables, carpets and other flammable material. The OMAT® slot has an overlap at the back which enables the protective mat to go either side of the tube or pipe being soldered so as to protect the surrounding area from burning or scorching as well as reducing the risk of fire. It is particularly useful under kitchen units and on pipes perpendicular to the wall where the use of a non-slotted mat would not easily cover the area. The OMAT® is designed for use on pipes and tubes 15 to 22mm diameter.

#### 150mm (6") Soldering + Brazing Pad

A patented, slotted protection mat or pad for soldering and brazing 15mm and 22mm copper tube and pipe. The size of the mat is 150mm x 150mm (6" x 6") for use in really awkward places where the larger sizes of Omat® would obstruct easy access of the soldering torch. It is designed to protect walls, cables, carpets and other flammable material surrounding a pipe being soldered/brazed. The slot in the Monument 2363L Micro Omat® has an overlap at the back which enables the protective mat to go either side of the tube or pipe being soldered/brazed so as to protect the surrounding area from burning or scorching, as well as reducing the risk of fire. It is particularly useful under kitchen units and on pipes perpendicular to the wall where the use of a non-slotted mat would provide inadequate cover of the area to prevent damage.

Quantity – 1

Dimensions –

240(h) x 240(w) x 5(d) mm (INST2361)

155(h) x 155(w) x 5(d) mm (INST2363)



**INST2361** Omat® 250mm (10") Soldering + Brazing Pad

**INST2363** Omat® 150mm (6") Soldering + Brazing Pad



### 300mm (12") Soldering + Brazing Pad

Quantity – 1 of Each

Dimensions – 310(h) x 310(w) x 10(d) mm

**INST2350**



### Flux Brushes

Quantity – Pack of 5 or 10

Dimensions – 200(h) x 10(w) x 10(d) mm

**INST3015-1**

Pack of 5

**INST3015-10**

Pack of 10



### Flux Soldering Paste

Dimensions –

66(h) x 100(w) x 100(d) mm

**701103**

250g

# Plumbing Tools

Guarantees

**1** Year  
on Plumbing Tools

## Monument Masters + Bending

### 15mm Pipe Bender (With INST1715 15mm Copper Pipe Cutter)

The Pipe Bender is a single sized pipe bender for 15mm copper pipe (0.7mm wall).

#### Features + Benefits

**Less fiddly** – with the integrated hook and nylon guide, the integrated hook stop won't flop from side to side and the guide(s) won't fall out

**Lighter in the hand** than a combi – the pipe bender weighs 1.9kg

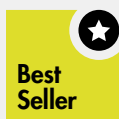
**Less cumbersome** – you are only using a bender for the size of pipe being bent

**Better sight lines** – as the bend is in the same plane as the arms of the bender it is easier to line up by eye

**Smaller than a combi** – the pipe bender has an arm length of 40cm approx. (a combi arm length is 65cm). It even fits in a tool bag

Quantity – 1

Dimensions – 470(h) x 190(w) x 65(d) mm



INST1215AV

 Instinct Pro  
15mm Pipe Bender

1322EXTENDED

 Monument Masters XXII  
Extended 22mm Bender


### 15mm + 22mm Copper Pipe Bender (Guides)

The INST2600 15mm and 22mm Copper Pipe Bender is designed to professionally bend BSEN1057 15mm and 22mm copper pipe and 15mm stainless steel tube. The aluminium formers are marked with bending angles of 30, 45 and 90 degree offsets allowing for accurate bending. The Instinct Pro Pipe Bender is supplied with replaceable 15mm and 22mm aluminium bending guides.

Quantity – 1

Dimensions – 700(h) x 135(w) x 155(d) mm

INST2600



### 15mm Copper Pipe Bender Guide

Quantity – 1

Dimensions – 165(h) x 20(w) x 15(d) mm

INST2601



### 22mm Copper Pipe Bender Guide

Quantity – 1

Dimensions – 230(h) x 22(w) x 25(d) mm

INST2603

Guarantees

**1** Year  
on Plumbing Tools

# Plumbing Tools

## Copper Pipe Cutting + Deburring



**10mm Copper Pipe Cutter**  
Quantity – 1  
Dimensions – 45(h) x 45(w) x 30(d) mm

INST1810N



**15mm Autocut® Copper Pipe Cutter**  
Quantity – 1  
Dimensions – 50(h) x 50(w) x 30(d) mm

INST1715



**22mm Autocut® Copper Pipe Cutter**  
Quantity – 1  
Dimensions – 58(h) x 58(w) x 30(d) mm

INST1722



**28mm Autocut® Copper Pipe Cutter**  
Quantity – 1  
Dimensions – 65(h) x 65(w) x 30(d) mm

INST1728



**Spare Wheels (Autocut® + Pipeslice®)**  
Quantity – Pack of 2  
Dimensions – 35(h) x 40(w) x 40(d) mm

INST0269



**15mm + 22mm Autocut® Copper Pipe Cutter**  
Quantity – 1  
Dimensions – 55(h) x 55(w) x 40(d) mm

INST17151722

### 15mm + 22mm Autocut® Copper Pipe Cutters (Restricted Access Handles)

The Restricted Access Handles are designed as an aid for rotating the INST1715 + INST1722 in confined spaces where the users' hands will not fit. Made from bright zinc plated steel the handles engage in the outer casing of the INST1715 + INST1722. They are designed to be easily slipped on and off of the cutter body from either side of the pipe cutter, even when it is engaged on the pipe to be cut.

Quantity – Pack of 2  
Dimensions – 170(h) x 70(w) x 30(d) mm

INST1739



# Plumbing Tools

Guarantees

**1** Year  
on Plumbing Tools

## Copper Pipe Cutting + Deburring



### Size 3mm-22mm Copper Pipe Cutter

Quantity – 1  
Dimensions – 45(h) x 70(w) x 30(d) mm

INST0264



### Size 4mm-28mm Copper Pipe Cutter

Quantity – 1  
Dimensions – 185(h) x 55(w) x 30(d) mm

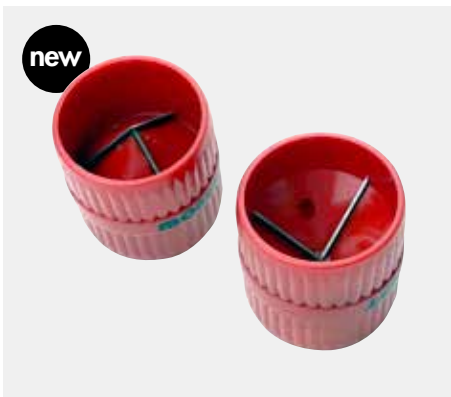
INST0265



### Size2A 12mm-43mm Copper Pipe Cutter

Quantity – 1  
Dimensions – 220(h) x 65(w) x 40(d) mm

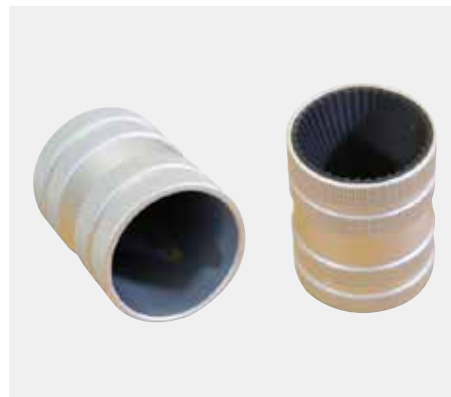
INST0266



### 35mm Internal + External Pipe Deburrer

Quantity – 1  
Dimensions – 75(h) x 45(w) x 45(d) mm

INST0365



### 12-54mm Inside/Outside Deburrer

Quantity – 1  
Dimensions – 85(h) x 65(w) x 65(d) mm

INST0374



### Spare Wheel (Size 0-1-2A Copper Pipe Cutters)

Quantity – Pack of 2  
Dimensions – 40(h) x 55(w) x 55(d) mm

INST0273



### 15mm + 22mm Copper Pipe + Fitting Brush

Quantity – 1  
Dimensions – 195(h) x 45(w) x 30(d) mm

INST3033



### Deburring Tool

Quantity – 1  
Dimensions – 143(h) x 15(w) x 10(d) mm

INST3020



### Cleaning Abrasive Strips

Quantity –  
10 Pack (INST3024), Twinpack (INST3024-6)  
Dimensions –  
2.55(h) x 40(w) x 10(d) mm (INST3024)  
1.40(h) x 60(w) x 40(d) mm (INST3024-6)

**INST3024** Cleaning Abrasive Strips

**INST3024-6** 3m Rolls of Cleaning Abrasive Strips

**Guarantees**

**1** Year  
on Plumbing Tools

# Plumbing Tools

## Plastic Pipe Cutting



**6-28mm Plastic Pipe Cutter**

Quantity – 1  
Dimensions – 195(h) x 70(w) x 20(d) mm

INST2644



**Burrfect Square Plastic Waste Pipe Deburrer**

Quantity – 1  
Dimensions – 80(h) x 80(w) x 3(d) mm

INST2116



**20-42mm Plastic Pipe Cutter**

Quantity – 1  
Dimensions – 220(h) x 125(w) x 25(d) mm

INST2645



**15mm + 22mm Autocut®  
(Plastic Pipe Cutter)**

Quantity – 1  
Dimensions –  
75(h) x 75(w) x 40(d) mm (INST0115)  
70(h) x 70(w) x 40(d) mm (INST0122)

INST0115 15mm

INST0122 22mm

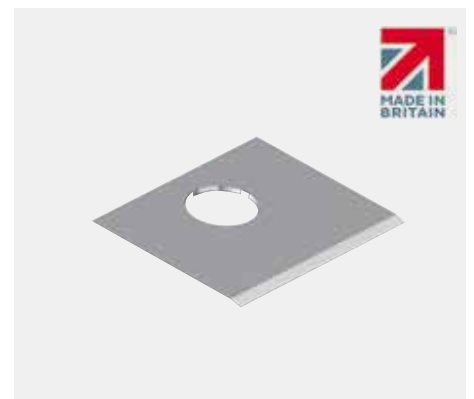


**1 1/4" + 1 1/2" Autocut®  
(Plastic Waste Pipe Cutter)**

Quantity – 1  
Dimensions –  
70(h) x 70(w) x 50(d) mm (INST1114)  
70(h) x 70(w) x 55(d) mm (INST1112)

INST1114 1 1/4"

INST1112 1 1/2"



**Spare Blades for Autocut®  
(Plastic Pipe Cutter)**

Quantity – Pack of 5  
Dimensions – 50(h) x 50(w) x 5(d) mm

INST0100



Take a closer look  
at the Autocuts tool  
in action!



# Plumbing Tools

## Guarantees

**1** Year  
on Plumbing Tools

### Sawing + Cutting

#### 300mm (12") Hacksaw

The INST1921D 300mm (12") Hacksaw has a die-cast aluminium handle and square section tubular steel frame, which combine to give a lightweight hacksaw with great tensile strength. Adjusts to give 45° angle for flush cutting.

Quantity – 1  
Dimensions – 440(h) x 140(w) x 20(d) mm



INST1921D



#### Junior Hacksaw

Quantity – 1  
Dimensions – 245(h) x 75(w) x 10(d) mm

INST2000



#### Folding Knife

Quantity – 1  
Dimensions – 75(h) x 55(w) x 10(d) mm

INST1023



#### 300mm (12") Hacksaw Blades

Quantity – Pack of 3  
Dimensions – 310(h) x 40(w) x 3(d) mm

INST1923



#### Spare Blade (Junior Hacksaw)

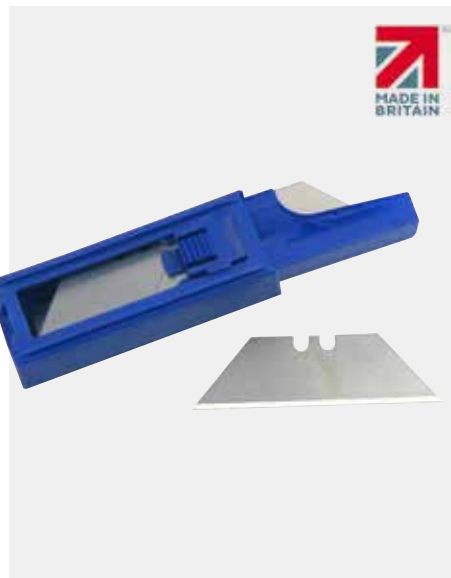
Quantity – Pack of 10  
Dimensions – 160(h) x 35(w) x 10(d) mm

INST1120

#### Standard Trapezoidal Knife Blades

The INST1024 Pack of Ten Standard Trapezoidal Knife Blades. Trimming knife blades are suitable for the trade trimming knife. Supplied in a dispenser.

Quantity – Pack of 10  
Dimensions – 65(h) x 65(w) x 20(d) mm



INST1024



#### Six Flat Bits

Quantity – Pack of 6  
Dimensions – 155(h) x 50(w) x 20(d) mm

INST1950

**Guarantees**

**1** Year on Plumbing Tools

# Plumbing Tools

## Radiators



**Universal Radiator Valve Spanner**

Quantity – 1  
Dimensions – 110(h) x 40(w) x 20(d) mm

INST2052



**Radiator Step Wrench + Ratchet**

Quantity – 1  
Dimensions – 275(h) x 45(w) x 30(d) mm

INST2048



**1/2, 3/4 + 1" Lockshield Radiator Valve Key**

Quantity – 1  
Dimensions – 85(h) x 85(w) x 20(d) mm

INST2056



**Four-Way Multipurpose Key**

Quantity – 1  
Dimensions – 75(h) x 75(w) x 20(d) mm

INST2059



**TRV Tail Driver**

Quantity – 1  
Dimensions – 60(h) x 30(w) x 30(d) mm

INST2166



**Radiator Bleed Keys**

Quantity – Pack of 3  
Dimensions – 35(h) x 68(w) x 5(d) mm

INST2058-1

**Are you looking to replace or install a new radiator?**

Pages 70-73

With a slim profile and smooth, white finish, Henrad Compact and Compact K3 radiators will blend into any room in the house, to provide guaranteed heating performance.

**Multiple Sizes**



**3-in-1 and 4-in-1 Radiator Valve Spanners**

Quantity –  
Pack of 1 (INST2053 + INST2054)  
Pack of 2 (INST2055)  
Dimensions – 135(h) x 60(w) x 20(d) mm

INST2053 Radiator Valve Spanner 10mm Square + 5mm Balancing Tool

INST2054 Radiator Valve Spanner 12mm Hex., Air Release + 4mm Balancing Tool

INST2055 Twinpack

# Plumbing Tools

Guarantees

**1** Year  
on Plumbing Tools

## Taps + Stopcocks



### Contractors Telescopic Back Nut Wrench

Quantity – 1  
Dimensions – 280(h) x 150(w) x 30(d) mm

INST0781



### Domestic Mains Water Mini Stopcock Key

Quantity – 1  
Dimensions – 220(h) x 45(w) x 40(d) mm

INST0331



### Parallel Bush Tap Reseater (Three Cutters)

Quantity – 1  
Dimensions – 135(h) x 40(w) x 50(d) mm

INST0450



### 1050mm (42") Mains Water Tapered 1/2" + 3/4" Stopcock Key

Quantity – 1  
Dimensions – 1060(h) x 160(w) x 20(d) mm

INST0339



### Pro Adjustable Basin Wrench (Two Jaws)

Quantity – 1  
Dimensions – 255(h) x 90(w) x 80(d) mm

INST0345



### 27 x 32mm Tap Back Nut Box Spanner

Quantity – 1  
Dimensions – 157(h) x 40(w) x 40(d) mm

INST0319



### 45 x 50mm Waste Nut Box Spanner

Quantity – 1  
Dimensions – 200(h) x 60(w) x 50(d) mm

INST0308



### 8mm-13mm Monobloc Box Spanners

Quantity – Set of 3  
Dimensions – 185(h) x 45(w) x 20(d) mm

INST3240



### Malleable Cast Basin Back Nut Wrench

Quantity – 1  
Dimensions – 260(h) x 27(w) x 45(d) mm

INST0327

## Guarantees

**1** Year  
on Plumbing Tools

# Plumbing Tools

## Compression Fittings + Immersion Heaters



### Compression Fitting Nut Spanners

Quantity – Pack of 2  
Dimensions – 160(h) x 55(w) x 10(d) mm

INST2042



### Box Ring Immersion Heater Spanner

Quantity – 1  
Dimensions – 295(h) x 50(w) x 30(d) mm

INST0358



### Pro Cast Immersion Heater Spanner 86mm A/F

Quantity – 1  
Dimensions – 250(h) x 110(w) x 50(d) mm

INST0361



Additionally there is a power tool drive to make this indispensable tool even more useful!

**Just remember to have your drill set to drive not reverse.**

### 15mm + 22mm Compression Fitting Olive Puller

The INST2036 works by engaging the tool in the end of the copper pipe and then winding the appropriate bush - 15mm and 22mm included - counter clockwise until it stops at the olive to be removed. The threaded bush is then screwed into the compression nut which is held captive on the pipe on the other side of the olive. Then by rotating the handle clockwise the compression fitting nut is drawn up the pipe and pulls the olive off the pipe without damaging it.

Quantity – 1  
Dimensions – 150(h) x 60(w) x 40(d) mm

INST2036



### 22mm Compression Fitting Olive Cutter

Quantity – 1  
Dimensions – 192(h) x 55(w) x 25(d) mm

INST2031



### 15mm Compression Fitting Olive Cutter

The INST2030 15mm and INST2031 22mm are designed to remove an olive from copper pipe without damage to the pipe and without producing swarf. The latest version includes replaceable, interchangeable and reversible tungsten carbide blades.

**Please note – Not for use on steel olives.**

Quantity – 1  
Dimensions – 195(h) x 55(w) x 20(d) mm

INST2030

# Plumbing Tools

Guarantees

**1** Year  
on Plumbing Tools

## Boilers, Flues + System Testing

### 30mb Gas Test Gauge

The INST0257 30mb Gas Test Gauge is Made in Britain and is made from tough plastic. It is used both for testing pipework installations with air for leaks before the introduction of gas and for checking and setting correct gas pressures on domestic and commercial appliances. Extruded cover slides off and may be clipped over the base for standing the tool vertically during use. Hanging tab permits vertical hanging from suitable protrusions. Marked in millibars, the scale adjusts for zeroing the water level.

Quantity – 1

Dimensions – 550(h) x 75(w) x 30(d) mm



INST0257



### Mains Water Pressure Test Gauge 11 Bar x 3/4" BSP

Quantity – 1

Dimensions – 285(h) x 55(w) x 40(d) mm

INST1510

### Dry Test Kit 15mm x 4 Bar

The INST1512 Pipe Dry Testing Kit is ideal for dry testing pipe work during and after installation. It has an easy to read triple scale bar, psi and kPa and is suitable for water, air, gas and petroleum oil pipes up to 4 bar, and for testing combi systems. Can be left on test, while flooring is laid to reveal any nail damage also test hot and cold supplies separately to ensure pipes are not crossed. Fitted with a Schrader Valve and 15 mm push fit fitting for quick and easy assembly and has a rubber boot for added protection.

Quantity – 1

Dimensions – 130(h) x 55(w) x 30(d) mm



INST1512



### Flue Brushes

Quantity – Pack of 3

Dimensions – 500(h) x 120(w) x 55(d) mm

INST3014



### 15mm + 22mm Pipe End Plugs

Quantity – 1 of Each

Dimensions – 65(h) x 65(w) x 20(d) mm

INST1368



### 15m Drain Down Hose

Quantity – 1

Dimensions – 280(h) x 240(w) x 175(d) mm

INST2404



### 2m Spare Gas Test Gauge Hose (LPG)

Quantity – 1

Dimensions – 260(h) x 40(w) x 30(d) mm

INST1731

**Guarantees**

**1** Year  
on Plumbing Tools

# Plumbing Tools

## Wrenches + Spanners



**Wide Jaw Adjustable Wrench**

Quantity – 1

INST3140	150mm (6") 34mm Cap
INST3141	200mm (8") 38mm Cap
INST3143	250mm (10") 50mm Cap



**Thin Jaw Adjustable Wrench**

Quantity – 1

INST4140	150mm (6")
INST4141	200mm (8")
INST41499	150mm (6") + 200mm (8") Twinpack



**Mongoose One Handed Slip Joint Pliers**

Quantity – 1

INST2071	175mm (7")
INST2072	250mm (10")
INST2073	300mm (12")

## Miscellaneous



**Tape Measure (Backing Card)**

Quantity – 1

Dimensions – 150(h) x 85(w) x 35(d) mm

INST196155	5m
INST196258	8m



**Screwdriver**

Quantity – 1

Dimensions – 410(h) x 30(w) x 40(d) mm

INST1518	450mm (18") Flat Head Screwdriver
INST1517	300mm (12") No.2 Phillips Screwdriver



**20ft Drain Cleaner**

Quantity – 1

Dimensions – 285(h) x 285(w) x 185(d) mm

INST3310



**D-End Manhole Lifting Keys**

Quantity – 1 x Set of Keys

Dimensions – 105(h) x 125(w) x 30(d) mm

INST1010



**Handy Plunger**

Quantity – 1

Dimensions – 320(h) x 125(w) x 90(d) mm

INST1460



**Toilet Plunger**

Quantity – 1

Dimensions – 620(h) x 125(w) x 130(d) mm

INSTM1600

# Plumbing Tools

## Detection



**SleepSafe Photoelectric Smoke Alarm**

Quantity – 1  
 Dimensions – 110(h) x 110(w) x 50(d) mm  
**SA1**



**SleepSafe Carbon Monoxide Alarm (10 Year)**

Quantity – 1  
 Dimensions – 110(h) x 115(w) x 35(d) mm  
**COA10**

## Servicing Essentials



**Collapsible Bucket (10 Litre)**

Quantity – 1  
 Dimensions – 50(h) x 330(w) x 345(d) mm  
**CWB10L**



**Medium Grade Steel Wool (450g)**

Quantity – 1  
 Dimensions – 90(h) x 90(w) x 380(d) mm  
**WB28**



**Arctic Access Panel**

Quantity – 1  
 Panels to fit following opening dimensions –  
 150(h) x 230(w) mm (APS150)  
 200(h) x 200(w) mm (APS200)  
 300(h) x 300(w) mm (APS300)

<b>APS150</b>	Arctic Access Panel 150 – 230mm
<b>APS200</b>	Arctic Access Panel 200 – 200mm
<b>APS300</b>	Arctic Access Panel 300 – 300mm



**Collapsible Bucket (20 Litre)**

Quantity – 1  
 Dimensions – 30(h) x 310(w) x 150(d) mm  
**CWB20L**



**Steel Wool**

Quantity – Pack of 8  
 Dimensions – 53(h) x 140(w) x 210(d) mm  
**WB8**

# Plumbing Tools

## Servicing Essentials



### Work Mat

Quantity – 1  
Dimensions –  
180(h) x 70(w) x 114(d) mm (WM1)  
240(h) x 80(w) x 150(d) mm (WM2)  
300(h) x 70(w) x 225(d) mm (WM3)

<b>WM1</b>	1200 x 750mm
<b>WM2</b>	1800 x 850mm
<b>WM3</b>	1800 x 1500mm



### Cotton Dust Sheet (12' x 9')

Quantity – 1  
Dimensions – 545(h) x 464(w) x 28(d) mm  
**AD62822**



### Laminated Dust Sheet (12' x 9')

Quantity – 1  
Dimensions – 430(h) x 520(w) x 20(d) mm  
**A666013**



### Blue Hard Floor Protector

Quantity – 1  
Dimensions –  
600(h) x 67(w) x 67(d) mm (HFP1)  
600(h) x 105(w) x 105(d) mm (HFP1-50M)

<b>HFP1</b>	600mm x 25m
<b>new HFP1-50M</b>	600mm x 50m



### Carpet Protector

Quantity – 1  
Dimensions –  
600(h) x 70(w) x 70(d) mm (CP1)  
600(h) x 105(w) x 105(d) mm (CP1-50M)

<b>CP1</b>	600mm x 25m
<b>new CP1-50M</b>	600mm x 50m



### Aluminium Foil Tape (50mm x 45m)

Quantity – 1  
Dimensions – 122(h) x 122(w) x 48(d) mm

**A662021**



### General Purpose Cloth Tape (50mm x 50m)

Quantity – 1  
Dimensions – 132(h) x 132(w) x 50(d) mm

**A662020**

# Plumbing Tools

## Aerosol, Grease + Solutions



### Silicone Grease + Spray

Quantity – 1

Dimensions –

157(h) x 57(w) x 57(d) mm (A665016)

48(h) x 70(w) x 70(d) mm (A665016-TUB)

**A665016**

100g Tube

**665016-TUB**

100g Tub

Dimensions –

110(h) x 103(w) x 103(d) mm (A665017)

183(h) x 60(w) x 60(d) mm (PH040)

**A665017**

500g Tub

**PH040**

400ml Silicone Spray



### Pipe Cement (125ml + 250ml)

Quantity – 1

Dimensions –

75(h) x 55(w) x 55(d) mm (PVCC125)

88(h) x 75(w) x 75(d) mm (PVCC250)

**PVCC125**

125ml

**PVCC250**

250ml



### Air Duster Spray (120ml + 300ml)

Quantity – 1

Dimensions –

165(h) x 65(w) x 65(d) mm (ZE29)

201(h) x 65(w) x 65(d) mm (ZE294)

**ZE29**

120ml

**ZE294**

300ml



### Leak Detector Fluid (250ml)

Quantity – 1

Dimensions –

130(h) x 60(w) x 60(d) mm (PH026)

160(h) x 60(w) x 60(d) mm (PH026A)

**PH026**

250ml (Brush On)

**PH026A**

250ml (Atomiser)



### Leak Detector Spray (400ml)

Quantity – 1

Dimensions – 238(h) x 65(w) x 65(d) mm

**PH020**

# Plumbing Tools

## PPE + Cleaning



### Blue Paper Roll (3Ply)

Quantity – 1  
Dimensions – 253(h) x 125(w) x 125(d) mm

A445031



### Heavy Duty Dirty Scrubbers Wipe (80 Pack)

Quantity – 1  
Dimensions – 245(h) x 110(w) x 110(d) mm

DSW80



### 21" x 29" Black Rubble Sacks (10 Roll)

Quantity – 1  
Dimensions – 275(h) x 60(w) x 60(d) mm

BRS1



### Puggy Work Gloves

Quantity – 1  
Dimensions – 362(h) x 136(w) x 33(d) mm

<b>445036M</b>	Medium
<b>445036</b>	Large
<b>445036XL</b>	XLarge



### Plain Grip Gloves (6g)

Quantity – Box of 100  
Dimensions – 241(h) x 125(w) x 65(d) mm

<b>AHPGG6GM</b>	Medium
<b>AHPGG6GL</b>	Large
<b>AHPGG6GXL</b>	XLarge



### Diamond Grip Gloves (8g)

Quantity – Box of 50  
Dimensions – 235(h) x 126(w) x 65(d) mm

<b>AHDGG8GM</b>	Medium
<b>AHDGG8GL</b>	Large
<b>AHDGG8GXL</b>	XLarge



### Microfibre Cloth Range

Our multi-purpose cleaning cloths are highly absorbent, lint-free, and perfect for any surface—metal, plastic, wood, ceramics, glass, and more.

Dimensions –  
145(h) x 55(w) x 205(d) mm (MFCBOX5)  
150(h) x 45(w) x 300(d) mm (MFCBOX12)  
300(h) x 100(w) x 100(d) mm (MFCROLL30)  
145(h) x 155(w) x 310(d) mm (MFCBOX50)

<b>MFCBOX5</b>	Box of 5
<b>MFCBOX12</b>	Box of 12
<b>MFCROLL30</b>	Roll of 30
<b>MFCBOX50</b>	Box of 50

# Pre-Packed Fittings

Guarantees

**1** Year  
on Pre-Packed Fittings

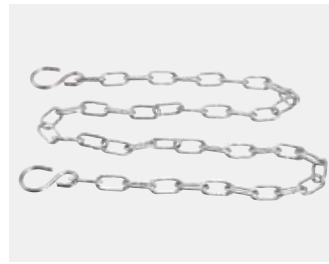

## 12" Oval Link Chain (Chrome) (Stay)

Quantity – 1  
Dimensions – 340(h) x 60(w) x 2(d) mm  
**200082-INS**



## 18" Bath Ball Chain (Chrome) (S Hook CP)

Quantity – 1  
Dimensions – 458(h) x 3(w) x 3(d) mm  
**200111-INS**



## 18" Oval Link Chain (Chrome) (S Hooks)

Quantity – 1  
Dimensions – 470(h) x 2(w) x 6(d) mm  
**200128-INS**



## 12" Basin Ball Chain (Chrome) (Metal Stay CP)

Quantity – 1  
Dimensions – 300(h) x 2(w) x 23(d) mm  
**200147-INS**



## O Rings (Basin + Bath Plugs)

Quantity – 1 (5 x Basin + 5 x Bath)  
Dimensions – 325(h) x 2(w) x 2(d) mm  
**200666-INS**



## Brass Basin Plug (Chrome) (Triangle)

Quantity – 1  
Dimensions – 13(h) x 38(w) x 38(d) mm  
**200716-INS**



## Brass Bath Plug (Chrome) (Triangle)

Quantity – 1  
Dimensions – 14(h) x 43(w) x 43(d) mm  
**200739-INS**



## Basin Poly Plug (Black) (12" Ball Chain + Stay)

Quantity – 1  
Dimensions – 80(h) x 60(w) x 14(d) mm  
**200764-INS**



## 1 1/2" Poly Plug (Black) (Triangle)

Quantity – 2  
Dimensions – 15(h) x 38(w) x 38(d) mm  
**200833-INS**



## 1 3/4" Poly Plug (Black) (Triangle)

Quantity – 2  
Dimensions – 15(h) x 45(w) x 45(d) mm  
**200837-INS**



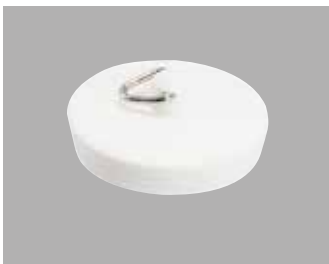
## 1 1/2" + 1 3/4" Poly Plug Kit (Black)

Quantity – 1 (1 of each Plug)  
Dimensions – 15(h) x 90(w) x 120(d) mm  
**200839-INS**



## 1 1/2" Plastic Basin Plug (White)

Quantity – 2  
Dimensions – 21(h) x 38(w) x 38(d) mm  
**200842-INS**



## 1 3/4" Bath Plastic Plug (White)

Quantity – 2  
Dimensions – 21(h) x 43(w) x 43(d) mm  
**200844-INS**



## 1 1/2" Pop Up Plug Only (Chrome)

Quantity – 1  
Dimensions – 72(h) x 40(w) x 40(d) mm  
**200867-INS**



## Tap Hole Stopper Abs (Chrome)

Quantity – 1  
Dimensions – 32(h) x 50(w) x 50(d) mm  
**201051-INS**



## Domed Chain Hole Stopper (Chrome)

Quantity – 1  
Dimensions – 41(h) x 13(w) x 13(d) mm  
**201052-INS**

**Guarantees**

**1** Year  
on Pre-Packed Fittings

# Pre-Packed Fittings



**Rubber Washer  
(Sink Waste)**

Quantity – 5  
Dimensions – 1.5(h) x 84(w) x 84(d) mm  
**201230-INS**



**Rubber Washer  
(Basin Waste)**

Quantity – 5  
Dimensions – 1.5(h) x 60(w) x 60(d) mm  
**201231-INS**



**Rubber Washer  
(Bath Waste)**

Quantity – 5  
Dimensions – 3(h) x 62(w) x 62(d) mm  
**201233-INS**



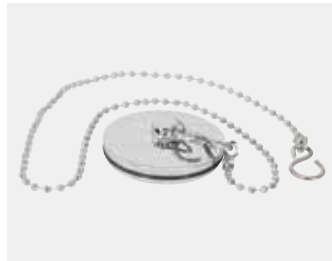
**Seal Kit  
(Basin Waste)**

Quantity – 1  
Dimensions – 22(h) x 68(w) x 68(d) mm  
**201686-INS**



**Brass Basin Plug (Chrome)  
12" Ball Chain + Stay**

Quantity – 1  
Dimensions – 15(h) x 80(w) x 120(d) mm  
**201924-INS**



**Brass Bath Plug (Chrome)  
18" Ball Chain + S Hook**

Quantity – 1  
Dimensions – 16(h) x 80(w) x 120(d) mm  
**201925-INS**



**Tap Hole Stopper (White)**

Quantity – 1  
Dimensions – 32(h) x 50(w) x 50(d) mm  
**202118-INS**



**Bath Poly Plug (Black)  
(18" Ball Chain)**

Quantity – 1  
Dimensions – 15(h) x 60(w) x 80(d) mm  
**202255-INS**



**Contract Cistern Lever**

Quantity – 1  
Dimensions – 150(h) x 34(w) x 119(d) mm  
**202298-INS**



**Seal (Clicker Waste  
201753 201773)**

Quantity – 2  
Dimensions – 4(h) x 37(w) x 37(d) mm  
**202510-INS**



**O Ring (Basin Mushroom  
Clicker Waste 201314)**

Quantity – 2  
Dimensions – 4(h) x 40(w) x 40(d) mm  
**202515-INS**



**Rubber MT Cock Washer**

Quantity – 5  
Dimensions – 2(h) x 13(w) x 13(d) mm  
**303396-INS**



**Cone Washer (Bottom  
Entry Float Valve)**

Quantity – 2  
Dimensions – 6(h) x 38(w) x 38(d) mm  
**306290-INS**



**Torbeck Valve Washers**

Quantity – 1  
Dimensions – 17(h) x 30(w) x 30(d) mm  
**306492-INS**



**HydroFlo Black Rubber  
Diaphragm Washer**

Quantity – 1  
Dimensions – 14.5(h) x 28(w) x 28(d) mm  
**345366-INS**



**Part 2 Ball Valve Washer**

Quantity – 5  
Dimensions – 6(h) x 32(w) x 32(d) mm  
**306730-INS**

# Pre-Packed Fittings

Guarantees

**1** Year  
on Pre-Packed Fittings


## 1/2" Plastic Piston Pack

Quantity – 2  
Dimensions – 32(h) x 16(w) x 16(d) mm

306810-INS



## 1/2" HP Plastic Seat

Quantity – 5  
Dimensions – 16(h) x 22(w) x 22(d) mm

306816-INS



## 1/2" Red Fibre Seating Washer (Float Valve)

Quantity – 5  
Dimensions – 1.5(h) x 22(w) x 22(d) mm

306832-INS



## 1/2" Part 1 Cotter Pin

Quantity – 5  
Dimensions – 34(h) x 7(w) x 3(d) mm

306850-INS



## 5/8" Flat Tap Washer

Quantity – 2  
Dimensions – 5(h) x 22(w) x 22(d) mm

306880-INS



## Dome Tap Washers

Quantity – 2  
Dimensions –  
7(h) x 17(w) x 17(d) mm (306882-INS)  
10(h) x 23(w) x 23(d) mm (306884-INS)

306882-INS 1/2"

306884-INS 3/4"



## Delta Tap Washers

Quantity – 5  
Dimensions –  
5(h) x 16(w) x 16(d) mm (306886-INS)  
5(h) x 18(w) x 18(d) mm (306888-INS)

306886-INS 1/2"

306888-INS 3/4"



## Pillar Tap Washer

Quantity – 10  
Dimensions – 1.5(h) x 44(w) x 44(d) mm

306924-INS

## Vacca Washer Flat

Quantity – 10  
Dimensions –  
5(h) x 16(w) x 16(d) mm (306940-INS)  
5(h) x 19(w) x 19(d) mm (306942-INS)  
5(h) x 22(w) x 22(d) mm (306944-INS)  
5(h) x 25(w) x 25(d) mm (306946-INS)

306940-INS 3/8"

306942-INS 1/2"

306944-INS 5/8"

306946-INS 3/4"



## Pegler Washer Flat

Quantity – 5  
Dimensions –  
4(h) x 16(w) x 16(d) mm (306950-INS)  
4(h) x 18(w) x 18(d) mm (306952-INS)

306950-INS 1/2"

306952-INS 3/4"



## Straight Boiler Filling Loop

Quantity – 1  
Dimensions – 500(h) x 39(w) x 24(d) mm

307413-INS



## 15mm (Chrome) Snappit Cover 200mm

Quantity – 10  
Dimensions – 30(h) x 15(w) x 19(d) mm

317274-INS



## Chrome Pipe Covers + Floor Plate

Quantity – 2 of Each  
Dimensions – Please request

317290-INS



## 1/2" Directional Air Vent + 1/2" Plug Kit (Chrome)

Quantity – 1 of Each  
Dimensions – 19(h) x 24(w) x 24(d) mm

313580-INS



## Brass Clock Radiator Key

Quantity – 1  
Dimensions – 34(h) x 39(w) x 9(d) mm

313713-INS

**Guarantees**

**1** Year on Pre-Packed Fittings

# Pre-Packed Fittings



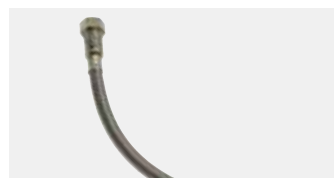
**Filling Loop Straight (Part L Approved) 15mm**

Quantity – 1  
Dimensions – 500(h) x 45(w) x 25(d) mm  
**307425-INS**



**Filling Loop Straight with Gauge (Part L Approved) 15mm**

Quantity – 1  
Dimensions – 580(h) x 65(w) x 40(d) mm  
**307430-INS**



**Flexible Tap Connector with Iso Valve – 30cm**

Quantity – 2  
Dimensions –  
315(h) x 26(w) x 26(d) mm (324652-INS)  
318(h) x 35(w) x 35(d) mm (324656-INS)  
**324652-INS** 15mm x 1/2"  
**324656-INS** 22mm x 3/4"



**15mm Pushfit x 1/2" Flexible Tap Connector – 30cm**

Quantity – 2  
Dimensions – 302(h) x 28(w) x 28(d) mm  
**324705-INS**



**Brass Olives**

Quantity –  
5 (324015-INS, 324019-INS, 324024-INS, 324032-INS, 324037-INS)  
10 (324028-INS)  
Dimensions –  
6(h) x 10(w) x 10(d) mm (324015-INS)  
6(h) x 12(w) x 12(d) mm (324019-INS)  
6(h) x 14(w) x 14(d) mm (324024-INS)  
6(h) x 17(w) x 17(d) mm (324028-INS)  
7(h) x 24(w) x 24(d) mm (324032-INS)  
8(h) x 30(w) x 30(d) mm (324037-INS)

<b>324015-INS</b>	8mm
<b>324019-INS</b>	10mm
<b>324024-INS</b>	12mm
<b>324028-INS</b>	15mm
<b>324032-INS</b>	22mm
<b>324037-INS</b>	28mm



**Copper Olives**

Quantity –  
5 (324122-INS, 324154-INS)  
10 (324118-INS, 324122-INS10)  
Dimensions –  
6(h) x 17(w) x 17(d) mm (324118-INS)  
7(h) x 24(w) x 24(d) mm (324122-INS)  
7(h) x 24(w) x 24(d) mm (324122-INS10)  
6(h) x 24(w) x 24(d) mm (324154-INS)

<b>324118-INS</b>	15mm
<b>324122-INS</b>	22mm
<b>324122-INS10</b>	22mm
<b>324154-INS</b>	3/4"



**Flexible Tap Connector**

Quantity –  
1 (324636-INS)  
2 (324634-INS, 324643-INS, 324645-INS)  
Dimensions –  
317(h) x 26(w) x 26(d) mm (324634-INS)  
516(h) x 25(w) x 25(d) mm (324636-INS)  
315(h) x 29(w) x 29(d) mm (324643-INS)  
323(h) x 29(w) x 29(d) mm (324645-INS)

<b>324634-INS</b>	15mm x 1/2" Flexible Tap Connector – 30cm
<b>324636-INS</b>	15mm x 1/2" Flexible Tap Connector – 50cm
<b>324643-INS</b>	15mm x 3/4" Flexible Tap Connector – 30cm
<b>324645-INS</b>	22mm x 3/4" Flexible Tap Connector – 30cm



**15mm Flexible Tap Connector – 30cm**

Quantity – 2  
Dimensions – 327(h) x 26(w) x 26(d) mm  
**324665-INS**



**15mm x 10mm Flexible Tap Connector – 30cm**

Quantity – 2  
Dimensions – 400(h) x 75(w) x 24(d) mm  
**324675-INS**



**15mm x 12mm Flexible Tap Connector – 30cm**

Quantity – 2  
Dimensions – 400(h) x 75(w) x 24(d) mm  
**324679-INS**



**15mm Pushfit x 3/4" Flexible Tap Connector – 30cm**

Quantity – 2  
Dimensions – 300(h) x 36(w) x 36(d) mm  
**324714-INS**



**15mm Pushfit Flexible Connector – 30cm**

Quantity – 2  
Dimensions – 340(h) x 28(w) x 28(d) mm  
**324740-INS**



**15mm Pushfit x 1/2" Flexible Tap Connector with Iso Valve – 30cm**

Quantity – 2  
Dimensions – 130(h) x 42(w) x 32(d) mm  
**324720-INS**

# Pre-Packed Fittings

Guarantees

**1** Year  
on Pre-Packed Fittings


## 1/2" Flexible Tap Fibre Washer

Quantity – 2  
Dimensions – 2(h) x 20(w) x 20(d) mm

324790-INS



## 3/4" Flexible Tap Rubber Washer

Quantity – 2  
Dimensions – 2(h) x 24(w) x 24(d) mm

324795-INS



## 1/2" BS5412 Brass Headwork (Pair)

Quantity – 1  
Dimensions – 150(h) x 150(w) x 24(d) mm

330135-INS



## 1/2" Ceramic Disc Headwork (Pair)

Quantity – 1  
Dimensions – 150(h) x 150(w) x 24(d) mm

330180-INS



## Tap Washers

Quantity – 4  
Dimensions –  
4(h) x 16(w) x 16(d) mm (330910-INS)  
5(h) x 19(w) x 19(d) mm (330915-INS)  
5(h) x 25(w) x 25(d) mm (330920-INS)

330910-INS  $\frac{3}{8}$ "330915-INS  $\frac{1}{2}$ "330920-INS  $\frac{3}{4}$ "

## Universal Top Hat Washer

$\frac{1}{2}$ " +  $\frac{3}{4}$ "  
Quantity – 2  
Dimensions – 12(h) x 50(w) x 50(d) mm

330950-INS



## Conical Trap Washers

Quantity – 5  
Dimensions –  
8(h) x 44(w) x 44(d) mm (344260-INS)  
10(h) x 49(w) x 49(d) mm (340297-INS)

344260-INS 1.  $\frac{1}{4}$ "340297-INS 1.  $\frac{1}{2}$ "

## Flat Trap Washers

Quantity – 5  
Dimensions –  
2(h) x 39(w) x 39(d) mm (344215-INS)  
2(h) x 42(w) x 42(d) mm (344255-INS)

344215-INS 1.  $\frac{1}{4}$ "344255-INS 1.  $\frac{1}{2}$ "

## Cistern Overflow Stopper (Chrome)

Quantity – 1  
Dimensions – 40(h) x 37(w) x 34(d) mm

344325-INS



## Bottom Entry Overflow Pipe Angled

Quantity – 1  
Dimensions – 277(h) x 42(w) x 42(d) mm

344330-INS



## 1 1/2" Flush Pipe Sealing Ring

Quantity – 3  
Dimensions – 9(h) x 47(w) x 47(d) mm

344335-INS



## Shower Hose Washers

Quantity – 5  
Dimensions – 2(h) x 18(w) x 18(d) mm

344405-INS



## 1/2" Diaphragm Washer (Siamp)

Quantity – 1  
Dimensions – 15(h) x 27(w) x 27(d) mm

345365-INS



## Plastic Internal Flush Cone

Quantity – 1  
Dimensions – 27(h) x 70(w) x 70(d) mm

345400-INS



## Universal Flush Pipe Connector External

Quantity – 1  
Dimensions – 55(h) x 73(w) x 73(d) mm

345405-INS



## Rubber Internal Flush Cone

Quantity – 1  
Dimensions – 26(h) x 53(w) x 59(d) mm

345410-INS

**Guarantees**

**1** Year  
on Pre-Packed Fittings

# Pre-Packed Fittings



**1 1/2" Compression Syphon Nut**

Quantity – 1  
Dimensions – 17(h) x 57(w) x 57(d) mm

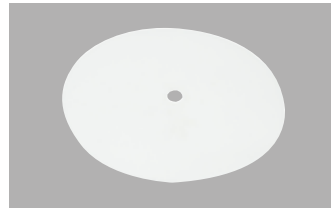
**345420-INS**



**Oblong Syphon Washer**

Quantity – 5  
Dimensions – 1(h) x 86(w) x 86(d) mm

**345430-INS**



**Round Syphon Washer**

Quantity – 5  
Dimensions –  
1(h) x 114(w) x 114(d) mm (345433-INS)  
1(h) x 127(w) x 124(d) mm (345435-INS)

**345433-INS** 4.1/2"

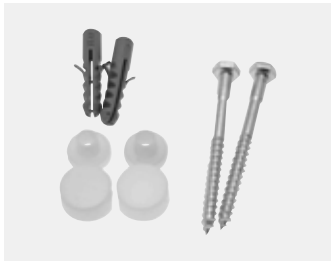
**345435-INS** 5"



**Syphon Bolt Kit Long + Washer**

Quantity – 1  
Dimensions – Please request

**345505-INS**



**Toilet Pan Screw Set**

Quantity – 1  
Dimensions – 120(h) x 180(w) x 31(d) mm

**345550-INS**



**Sanitary Fixing Kit 10 x 120**

Quantity – 1  
Dimensions – 120(h) x 180(w) x 31(d) mm

**345560-INS**



**Brass Adjustable Cistern Lift Arm**

Quantity – 1  
Dimensions – 102(h) x 29(w) x 15(d) mm

**345605-INS**



**Plastic Adjustable Cistern Lift Arm**

Quantity – 1  
Dimensions – 106(h) x 16(w) x 18(d) mm

**345610-INS**



**Cistern Handle Ceramic (Chrome)**

Quantity – 1  
Dimensions – 160(h) x 108(w) x 40(d) mm

**345617-INS**



**Metal Cistern Lever Kit (Chrome)**

Quantity – 1  
Dimensions – 150(h) x 170(w) x 37(d) mm

**345620-INS**



**Chrome Lever Kit 160mm Spindle**

Quantity – 1  
Dimensions – 150(h) x 250(w) x 41(d) mm

**345630-INS**



**E Type Finger Tip Front Cistern Lever**

Quantity – 1  
Dimensions – 180(h) x 150(w) x 40(d) mm

**345635-INS**



**Small Cistern C Link**

Quantity – 2  
Dimensions – 60(h) x 20(w) x 3(d) mm

**345650-INS**



**Large Cistern C Link**

Quantity – 2  
Dimensions – 110(h) x 20(w) x 3(d) mm

**345660-INS**



**C Link Pack (Small and Large Bag)**

Quantity – 1 of Each  
Dimensions – 180(h) x 105(w) x 3(d) mm

**345670-INS**



**Set of Toilet Seat Hinges (Black)**

Quantity – 1  
Dimensions – 320(h) x 80(w) x 31(d) mm

**345700-INS**

# Pre-Packed Fittings

## Guarantees

**1** Year  
on Pre-Packed Fittings



### Set of Toilet Seat Hinges (White)

Quantity – 1  
Dimensions – 320(h) x 80(w) x 31(d) mm

**345705-INS**



### Close Couple Cistern Kit

Quantity – 1  
Dimensions – 240(h) x 150(w) x 22(d) mm

**345750-INS**



### Donut Washer

Quantity – 1  
Dimensions – 20(h) x 100(w) x 100(d) mm

**345805-INS**



### Brass Cap

Quantity – 2  
Dimensions –  
13(h) x 26(w) x 26(d) mm (348616-INS)  
14(h) x 32(w) x 32(d) mm (348620-INS)

**348616-INS** 1/2"

**348620-INS** 3/4"



### Brass Backnut Heavy

Quantity – 2  
Dimensions –  
11(h) x 38(w) x 38(d) mm (348910-INS)  
11(h) x 44(w) x 44(d) mm (348917-INS)

**348910-INS** 1/2"

**348917-INS** 3/4"



### Blanking Nut + Washer

Quantity – 1  
Dimensions –  
120(h) x 88(w) x 14(d) mm (348985-INS)  
120(h) x 88(w) x 14(d) mm (348987-INS)

**348985-INS** 1/2"

**348987-INS** 3/4"



### 3' 6" Micropoint Hose

Quantity – 1  
Dimensions – 1066(h) x 36(w) x 25(d) mm

**352020-INS**



### 1/2" Micropoint Socket Straight

Quantity – 1  
Dimensions – 35(h) x 25(w) x 25(d) mm

**352070-INS**



### 4' Bayonet Cooker Hose

Quantity – 1  
Dimensions – 1122(h) x 34(w) x 34(d) mm

**352121-INS**



### 1/2" Bayonet Socket (Angled)

Quantity – 1  
Dimensions – 35(h) x 25(w) x 25(d) mm

**352144-INS**



### 1/8" Test Nipples

Quantity – 1  
Dimensions – 16(h) x 10(w) x 10(d) mm

**352505-INS**



### Cooker Safety Chain – 1m

Quantity – 1  
Dimensions – 100(h) x 1120(w) x 4(d) mm

**352600-INS**



### Cooker Rest Chain – 16" (BS6172 Kit)

Quantity – 1  
Dimensions – 120(h) x 80(w) x 15(d) mm

**352615-INS**



### Meter Box Key

Quantity – 1  
Dimensions – 53(h) x 40(w) x 14(d) mm

**352655-INS**

### Hose Clips

Quantity – 2  
Dimensions –  
12(h) x 33(w) x 23(d) mm (390620-INS)  
15(h) x 36(w) x 28(d) mm (390622-INS)  
15(h) x 39(w) x 31(d) mm (390624-INS)  
15(h) x 49(w) x 40(d) mm (390626-INS)

**390620-INS** Size 00 14mm-20mm

**390622-INS** Size 0 16mm-22mm

**390624-INS** Size OX 18mm-25mm

**390626-INS** Size 1 25mm-35mm



**Guarantees**

**1** Year  
on Pre-Packed Fittings

# Pre-Packed Fittings



**Copper Saddle Clips**

Quantity – 2  
Dimensions –  
10(h) x 41(w) x 16(d) mm (390710-INS)  
10(h) x 49(w) x 24(d) mm (390715-INS)

<b>390710-INS</b>	15mm
<b>390715-INS</b>	22mm



**Washing Machine Hose (Red)**

Quantity – 1  
Dimensions –  
1500(h) x 32(w) x 32(d) mm (392442-INS)  
2500(h) x 32(w) x 32(d) mm (392451-INS)

<b>392442-INS</b>	1.5m
<b>392451-INS</b>	2.5m



**Washing Machine Hose (Blue)**

Quantity – 1  
Dimensions –  
1500(h) x 32(w) x 32(d) mm (392446-INS)  
2500(h) x 32(w) x 32(d) mm (392455-INS)

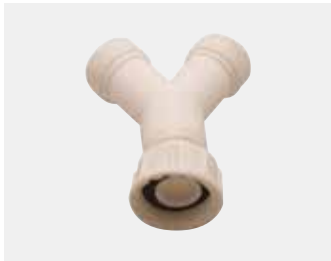
<b>392446-INS</b>	1.5m
<b>392455-INS</b>	2.5m



**2.5m Outlet Hose**

Quantity – 1  
Dimensions – 2500(h) x 34(w) x 34(d) mm

<b>392475-INS</b>
-------------------



**Washing Machine Y Piece**

Quantity – 1  
Dimensions – 80(h) x 69(w) x 32(d) mm

<b>392490-INS</b>
-------------------



**Washing Machine Hose Washer**

Quantity – 5  
Dimensions – 2(h) x 24(w) x 24(d) mm

<b>392495-INS</b>
-------------------



**Plumbing Out Kit**

Quantity – 1  
Dimensions – Please request

<b>392528-INS</b>
-------------------



**17mm Washing Machine Outlet Hose Joiner**

Quantity – 1  
Dimensions – 67(h) x 28(w) x 28(d) mm

<b>392530-INS</b>
-------------------



**Fibre Cap + Lining Washer**

Quantity – 10  
Dimensions –  
1.5(h) x 19(w) x 19(d) mm (394005-INS)  
1.5(h) x 24(w) x 24(d) mm (394010-INS)

<b>394005-INS</b>	1/2"
<b>394010-INS</b>	3/4"



**Plastic Washers**

Quantity –  
10 (394030-INS, 394035-INS)  
5 (394040-INS)  
Dimensions –  
1.5(h) x 38(w) x 38(d) mm (394030-INS)  
1.5(h) x 44(w) x 44(d) mm (394035-INS)  
1.5(h) x 59(w) x 59(d) mm (394040-INS)

<b>394030-INS</b>	1/2"
<b>394035-INS</b>	3/4"
<b>394040-INS</b>	1"



**1 1/4" Plastic Sink Washer**

Quantity – 5  
Dimensions – 1.5(h) x 57(w) x 57(d) mm

<b>394045-INS</b>
-------------------



**1 1/2" Plastic Washer**

Quantity – 2  
Dimensions – 1.5(h) x 86(w) x 86(d) mm

<b>394050-INS</b>
-------------------



**1 1/2" Rubber Pump Gaskets**

Quantity – 2  
Dimensions – 3(h) x 43(w) x 43(d) mm

<b>305431-INS</b>
-------------------



**PTFE Tape 12mm x 12m Reel (WRAS)**

Quantity – 1  
Dimensions – 20(h) x 57(w) x 57(d) mm

<b>INST61427N</b>
-------------------



**PTFE Tape 12mm x 5m Reel (Gas)**

Quantity – 1  
Dimensions – 20(h) x 57(w) x 57(d) mm

<b>INST61425T</b>
-------------------

# Pipe Clips



## 16, 22mm Masonry Nail Pipe Clip

Colour – Red, Blue, Black, Grey or Yellow  
Quantity – 100 Pack

Red	
M200	16mm
M201	22mm

Blue	
M202	16mm
M203	22mm

Black	
M204	16mm
M206	22mm

Grey	
M207	16mm
M208	22mm

Yellow	
M209	16mm
M210	22mm



## 11, 16, 22, 28mm Nail Clip

Colour – White  
Quantity –  
100 Pack (INSTC207, INSTM100, INSTM102)  
50 Pack (INSTM103)

INSTC207	11mm
INSTM100	16mm
INSTM102	22mm
INSTM103	28mm



## 10, 15, 22, 28mm Clip Link Trunking

Colour – White  
Quantity – 12 Pack

Double	
INSTT604	15mm
INSTT605	22mm



## 15, 22mm Clip Link Pipe Clip

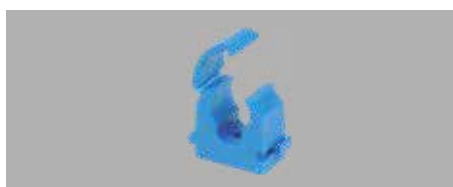
Colour – Red, Blue, Black, Yellow or Black  
Quantity – 100 Pack, 50 Pack (P629)

Red	
P620	15mm
P621	22mm

Blue	
P622	15mm
P623	22mm

Yellow	
P624	15mm
P625	22mm

Black	
P627	15mm
P628	22mm
<b>NEW</b> P629	28mm



## 16, 20, 25, 32mm MDPE Clip Link

Colour – Translucent, Blue or Black  
Quantity –  
50 Pack (P682, P683, P685, P686, P688, P689)  
100 Pack (P680, P681, P684, P687)

Translucent	
P680	16mm
P681	20mm
P682	25mm
P683	32mm

Blue	
P684	20mm
P685	25mm
P686	32mm

Black	
P687	20mm
P688	25mm
P689	32mm



## 15, 22mm Clip Lock

Colour – HOT Red, COLD Blue, GAS Yellow  
Quantity – 100 Pack

HOT Red	
P500	15mm
P501	22mm

COLD Blue	
P502	15mm
P503	22mm

GAS Yellow	
P504	15mm
P505	22mm



## 15, 22, 28mm Clip Lock Pipe Clip

Colour – White  
Quantity – 100 Pack (Single), 50 Pack (Double)

Single		Double	
P100	15mm	<b>NEW</b> P103	15mm
P101	22mm	<b>NEW</b> P104	22mm
P102	28mm		



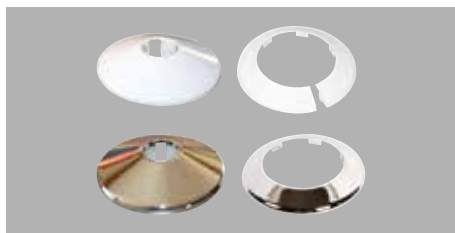
## 10, 15, 22, 28mm Hinged Clip

Colour – Translucent  
Quantity –  
100 Pack (P616, INSTP610, INSTP611, INSTP615)  
50 Pack (INSTP612, P617, INSTP613, INSTP614)

Single	
P616	10mm
INSTP610	15mm
INSTP611	22mm
INSTP612	28mm

Double	
INSTP613	15mm
INSTP614	22mm
INSTP615	Spacer Blocker

# Trunking Accessories



## 10, 15, 22, 28, 35, 42, 110mm Collar Clip

Colour – White or Chrome

Quantity –

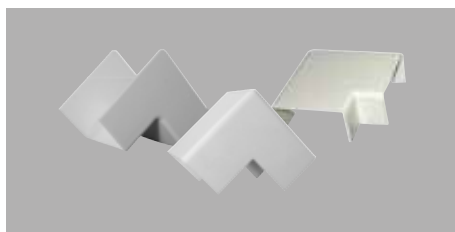
25 Pack (P310, P311, P312, P313, P314, P315, P322)

5 Pack (P316, P317, P319, P320)

1 Pack (P318, P321)

White	
P310	10mm
P311	15mm
P312	22mm
P322	28mm
P319	35mm
P320	42mm
P321	110mm

Chrome	
P313	10mm
P314	15mm
P315	22mm
P316	35mm
P317	42mm
P318	110mm



## 10, 15, 22mm Corner Clips

Colour – White

Quantity –

10 Pack (T611, T612, T614, T615, T617, T618)

2 Pack (T610, T613, T616)

Inner Corner	
T610	10mm
T611	15mm
T612	22mm

Outer Corner	
T613	10mm
T614	15mm
T615	22mm

Flat Corner	
T616	10mm
T617	15mm
T618	22mm



## 15, 22mm T Connectors

Colour – White

Quantity – 1 Pack

T634	15mm
T635	22mm



## 10, 15, 22mm Straight Connector Clips

Colour – White

Quantity –

10 Pack (T620, T621)

2 Pack (T619)

T619	10mm
T620	15mm
T621	22mm



## 10, 15, 22, 28mm Stop End Clips

Colour – White

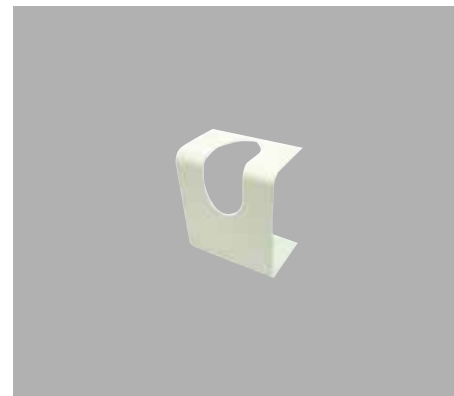
Quantity –

10 Pack (T622, T623, T624, T626, T627)

2 Pack (T625)

Single	
T622	15mm
T623	22mm
T624	28mm

Double	
T625	10mm
T626	15mm
T627	22mm



## 15, 22mm Access Clips

Colour – White

Quantity – 10 Pack

Top Access	
T628	15mm
T629	22mm

Side Access	
T630	15mm
T631	22mm



## 20, 70mm Vent Plugs

Colour – White

Quantity – 10 Pack

T632	20mm
T633	70mm



## 10mm Swept Bend

Colour – White

Quantity – 1 Pack

T636	10mm
------	------

# INSTINCT® | PRO



Domestic or commodity taps to suit your project



Acrylic and steel baths in a variety of sizes and shapes



High-quality sanitaryware in contemporary styles



Straight + simple ladder rails, perfect for family bathrooms



A collection of easy to fit, space saving bathroom furniture



Industry-leading range of concealed toilet cisterns + frames

## The choice for bathroom essentials.

High-quality, affordable, and perfect for everyday projects.

Whether you're a homeowner or a professional installer, the Instinct Pro range has you covered for all your domestic or commercial bathroom needs.



Visit [instinctproducts.co.uk](https://instinctproducts.co.uk)  
and find your local stockist



Dual flush plates + buttons made to the highest standard



Durable, reliable and low maintenance sanitaryware



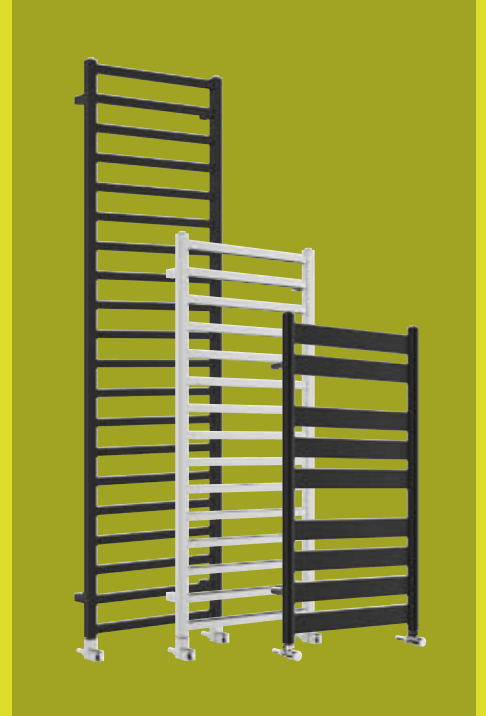
Wastes + accessories to complement any bathroom style



Pro or branded showers ready to install, out of the box



A range of shower accessory spares + replacements



Designer towel rails add a touch of style to a project



@instinct.products



@instinctproducts

## Find your nearest branch

### Kings Norton (Head Office)

Unit 27, Prince Road, Kings Norton Business Centre,  
Birmingham, West Midlands B30 3HB

T: 0121 459 9572

E: kingsnorton@bellplumbing.co.uk

### Redditch

Unit 16, Dunlop Road, Hunt End Industrial Estate,  
Redditch, Worcestershire B97 5XP

T: 01527 541300

E: redditch@bellplumbing.co.uk

### Stourbridge

Timmis Road, Stambermill Industrial Estate, Lye,  
Stourbridge, West Midlands DY9 7BQ

T: 01384 422302

E: stourbridge@bellplumbing.co.uk

### Brownhills

Unit 22, Maybrook Industrial Estate, Maybrook Road,  
Brownhills, Walsall WS8 7DG

T: 01543 374494

E: brownhills@bellplumbing.co.uk

### Solihull

Unit 16, Monkspath Business Park,  
Highlands Road, Solihull B90 4NY

T: 0121 326 9888

E: solihull@bellplumbing.co.uk

### Wolverhampton

Units 15 & 16, Merryhills Enterprise Park, Park Lane,  
Wolverhampton, West Midlands WV10 9TJ

T: 01902 862505

E: wolverhampton@bellplumbing.co.uk

### Kidderminster

Unit 3, Kidderminster Trade Park, Birmingham Road,  
Kidderminster, Worcestershire DY10 2RN

T: 01562 747874

E: kidderminster@bellplumbing.co.uk

### Stafford

Units 4 & 5, Simmons Court, Tollgate Drive,  
Beaconside, Stafford ST16 3HS

T: 01785 848170

E: stafford@bellplumbing.co.uk

### Worcester

Unit 8, Great Western Business Park, McKenzie Way,  
Tolladine Road, Worcester WR4 9PT

T: 01905 930717

E: worcester@bellplumbing.co.uk