INSTINCT® | PRO

James Hargreaves
Plumbing Supplies

Plumbing + Heating Collection
2025/26

At James Hargreaves, we believe in building lasting relationships. Our experienced Plumbing Supplies team is here to listen, understand, and find solutions tailored to your specific needs. We're committed to providing exceptional service, from prompt delivery to expert advice.

Your Success is Our Priority
No matter the challenge, we're dedicated to finding the right solution. Whether it's sourcing hard-to-find parts, working within tight budgets, or offering expert guidance, we're your reliable partner.

Quality and Value
We believe that investing in quality upfront leads to long-term savings. Our extensive range of plumbing, heating, and bathroom products ensures you have access to the best solutions.

Leading the Way in Plumbing Supplies
As the UK's largest independent plumbers merchants, we have a proven track record of excellence. With 73 branches nationwide, we're always nearby to provide unparalleled service and support.

Committed to Sustainability
We're also pioneers in low-carbon heating solutions. Join us in reducing your environmental impact while enjoying the benefits of energy-efficient technology.

Become a Trade Customer
Discover the advantages of partnering with James Hargreaves. Visit your local branch or contact us today to open a trade account. Let's build a successful future together.

www.jameshargreaves.com

James Hargreaves
Plumbing Supplies

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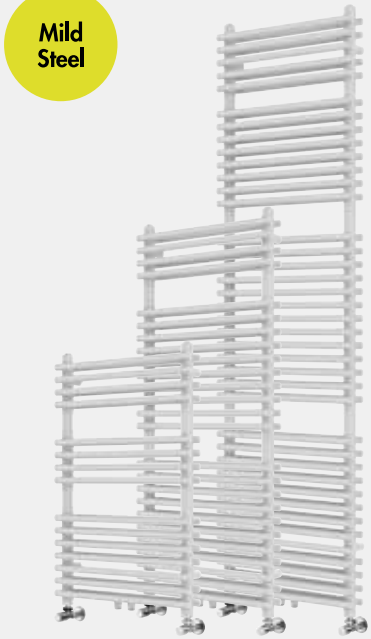

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Renewables

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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 + Fungul 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
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Page 11

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Page 30

INSTINCT® | PRO

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 and find your local renewables stockist

inta

Heat Pump Filters

Guarantees

5 Years on IntaKlean Heat Pump Filter

new

Self Cleaning

IntaKlean 35mm Filter Data Sheets, Installation Instructions + Maintenance

IntaKlean 35mm Insulation Jacket (for IK35MP1 Filter)

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.

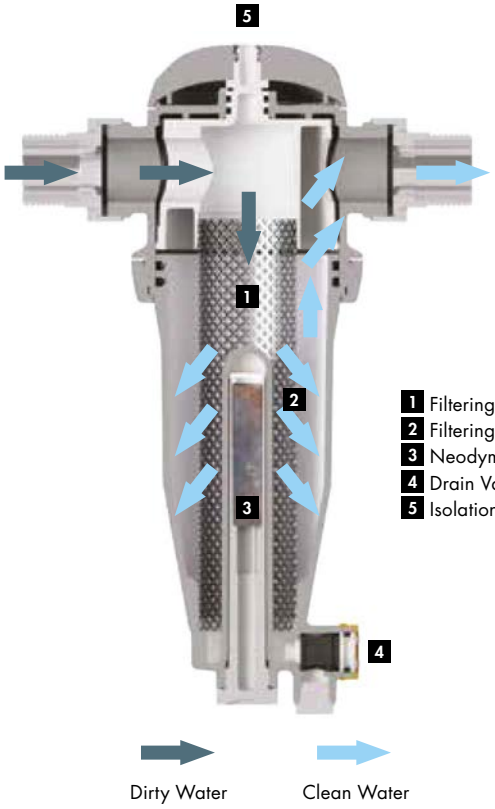
Features + Benefits

- 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

Max 90°C | Max 6 Bar

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 Filter Data Sheets, Installation Instructions + Maintenance

Fully removable 11,000 gauss magnet – service the system live

Manual air-vent

Unique direct non-ferrous system filter forces system debris directly into the filter core to capture as much system debris as possible

Multi-layered filter incorporating a 300-micron fine particle filter and a 800-micron mesh filter

Low profile drain

new

Easy To Service

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.

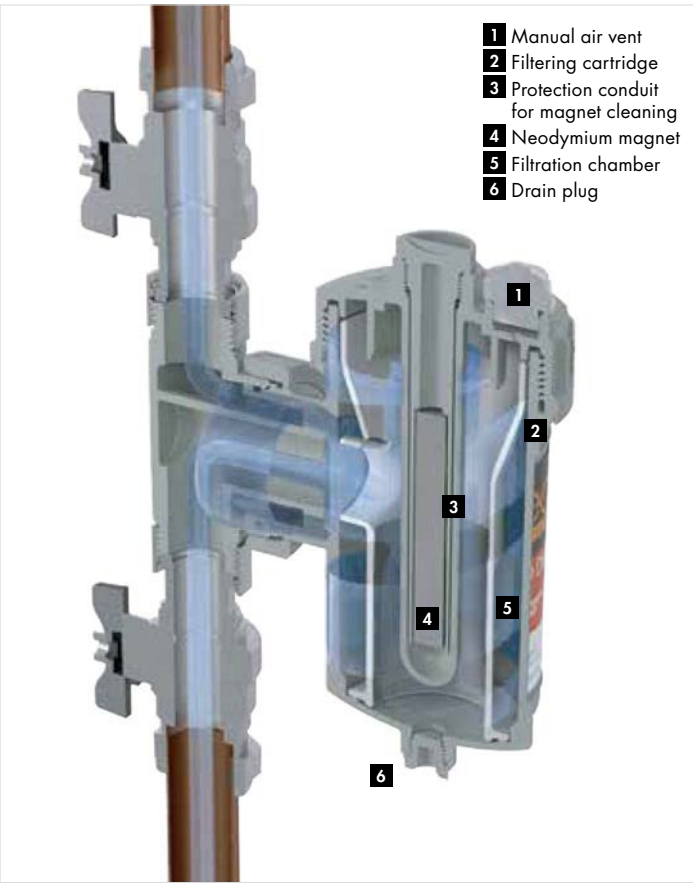
The remaining magnetic debris is drawn to the centre of the filter and captured by 11,000-gauss rare earth neodymium magnet.

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

Max 90°C | Max 4 Bar



IKHPMF28	IntaKlean HP 28mm Magnetic Heat Pump Filter

Heat Pump Filters

Guarantees

10 Years on Adey Heat Pump Filter

new

Easy To Install

Easy 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 (5m³/h)** maximum flow rate
- Extended system life of up to 7 years*

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

Max 6 Bar

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

FL1-03-06223 Adey MagnaClean HP® Filter

**Based on independent research in the UK.*

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 contaminates

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

Max 100°C | Max 5 Bar

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

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

Anti-Freeze Valves

Guarantees

2 Years on Inta Zero Anti-Freeze Valves

Inta Zero Videos, Data Sheets, Installation Instructions + Maintenance

new

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 – **55m³/h** (ZERO001), **70m³/h** (ZERO114), **64m³/h** (ZERO28), **70m³/h** (ZERO35), **33m³/h** (ZERO1SW), **52m³/h** (ZERO14SW)

Max 80°C | Max 10 Bar

R290

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 1¼" Male
ZERO1SW	Inta Zero – Anti-Freeze Valve 1″ Male x 1″ Female Swivel
ZERO14SW	Inta Zero – Anti-Freeze Valve 1¼″ Male x 1¼″ 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

Fernox Anti-Freeze Valve 1¼"

Fernox 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 m³/h**

Max 75°C | Max 10 Bar

62664	Fernox Anti-Freeze Valve 28mm
62665	Fernox Anti-Freeze Valve 1¼"
62691	Fernox Anti-Freeze Valve Thermal Cover 1¼"
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 m³/h**

Max 65°C | Max 10 Bar

ZL-7201-1M	Anti-Freeze Valve 1"
ZL-7201-11/2M	Anti-Freeze Valve 1½"
ZL-7201-11/4M	Anti-Freeze Valve 1¼"
ZL-7201-11/4MF	Anti-Freeze Valve 1¼'' (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)

inta

Ball Valves

Guarantees

2 Years on Inta Ball Valves

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 – **66m³/h** (HPBV11, HPBV114, HPBV28), **80m³/h** (HPBV114X2, HBPV35)

Max 120°C | Max 25 Bar

HPBV11	Inta K-Type1" Female Swivel x 1" Male Flat Face Extended Ball Valve
HPBV114	Inta K-Type1¼" Female Swivel x 1" Male Flat Face Extended Ball Valve
HPBV114X2	Inta K-Type 1¼" Female Swivel x 1¼" Male Flat Face Extended Ball Valve
HPBV28	Inta K-Type 1" Female Swivel x 28mm Extended Ball Valve
HPBV35	Inta K-Type 1¼" Female Swivel x 35mm Extended Ball Valve

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

Ball Valves

Guarantees

2 Years on Inta Ball Valves

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)

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 1¼″ 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 / 1¼″ Ball Valve)

inta

Valves

Guarantees

2 Years on Inta Valves

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°C | Max 16 Bar

INFAF22	Inta 22mm Fill + Flush Valve
INFAF28	Inta 28mm Fill + Flush Valve

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 5m³/hour flow capacity

0.1 to 0.5 Bar differential pressure range

Max 100°C | Max 10 Bar

ABPA28CP	Inta 28mm Angled By-Pass Valves
ABPS28CP	Inta 28mm Straight By-Pass Valves

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°C | Max 10 Bar

IV22	22mm Inta-Vent Auto Air Eliminator
IV28	28mm Inta-Vent Auto Air Eliminator

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°C | Max 10 Bar

INFSV2840	28mm Flow Balancing Valve (5-40 L/min)
INFSV2850	28mm Flow Balancing Valve (10-50 L/min)

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°C | Max 10 Bar

INFBV28	28mm Flow Balancing Valve (with Fill + Flush 5-40Ltr)
INFBV2850	28mm Flow Balancing Valve (with Fill + Flush 10-50Ltr)

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°C | Max 16 Bar

YPS085828800	28mm Y-Pattern Strainer (800 Micron)
YPS0858125800	1¼″ F x F Y-Pattern Strainer (800 Micron)

Guarantees

2 Years on Bastion Valves

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 5m³/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

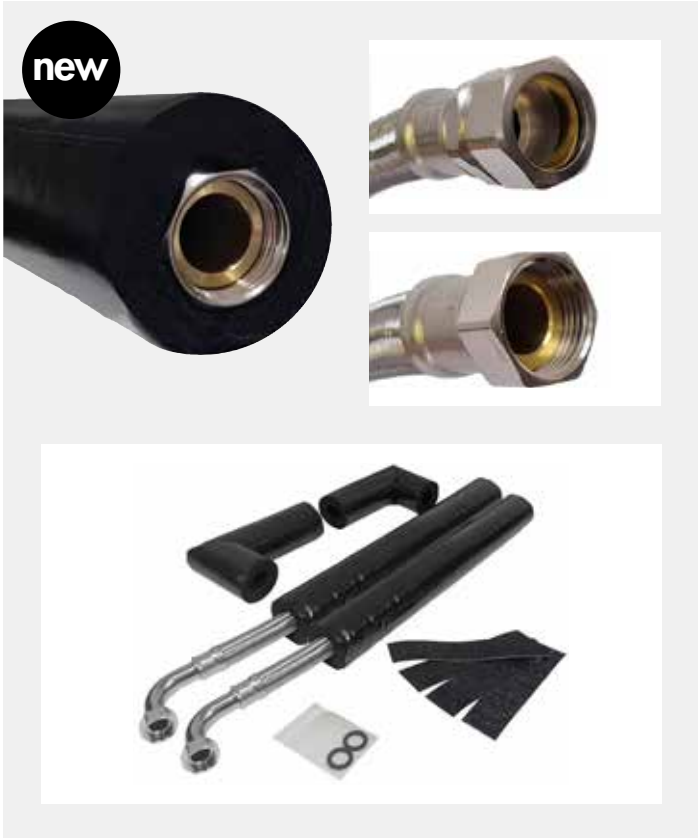
Max 100°C | Max 10 Bar

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 1¼" Fem
HPFA1145INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	500mm	28mm x 1¼" Fem
HPFA1147INS	PVC Coated Pre Insulated Angle Flexi Hose Pair	750mm	28mm x 1¼" 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 1¼" Fem
HPFS1147INS	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1¼" 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

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
- **μ ≥ 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
FH-300-28-F-ELBOW	PVC Coated Pre Insulated Elbow Flexi Hose Pair	300mm	28mm x 1" Fem
FH-500-28-F	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
FH-500-28-1-1/4-F	PVC Coated Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
FH-750-28-F	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
FH-750-28-1-1/4F	PVC Coated Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1¼" Fem

Hoses

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
- **μ ≥ 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
HPHOSE300	Pre Insulated Straight Flexi Hose Pair	300mm	28mm x 1" Fem
HPHOSE300B	Pre Insulated Angled Flexi Hose Pair	300mm	28mm x 1" Fem
HPHOSE500	Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
HPHOSE500B	Pre Insulated Angled Flexi Hose Pair	500mm	28mm x 1" Fem
HPHOSE50035	Pre Insulated Straight Flexi Hose Pair	500mm	35mm x 1¼" Fem
HPHOSE50035B	Pre Insulated Angled Flexi Hose Pair	500mm	35mm x 1¼" Fem
HPHOSE750	Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
HPHOSE750B	Pre Insulated Angled Flexi Hose Pair	750mm	28mm x 1" Fem

Guarantees

1 Year on Altecnic Hoses

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
- **μ ≥ 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
128-3601	Pre Insulated Straight Flexi Hose Pair	750mm	28mm x 1" Fem
128-3602	Pre Insulated Angled Flexi Hose Pair	750mm	28mm x 1" Fem
128-3603	Pre Insulated Straight Flexi Hose Pair	500mm	28mm x 1" Fem
128-3604	Pre Insulated Angled Flexi Hose Pair	500mm	28mm x 1" Fem
128-3605	Pre Insulated Straight Flexi Hose Pair	300mm	28mm x 1" Fem
128-3606	Pre Insulated Angled Flexi Hose Pair	300mm	28mm x 1" Fem
128-3607	Pre Insulated Straight Flexi Hose Pair	750mm	35mm x 1¼" Fem
128-3608	Pre Insulated Angled Flexi Hose Pair	750mm	35mm x 1¼" Fem
128-3609	Pre Insulated Straight Flexi Hose Pair	500mm	35mm x 1¼" Fem
128-3610	Pre Insulated Angled Flexi Hose Pair	500mm	35mm x 1¼" Fem
128-3611	Pre Insulated Straight Flexi Hose Pair	300mm	35mm x 1¼" Fem
128-3612	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

PVC Coated Weather + Waterproof Tape

DiversiTech PVC Coated External Grade Insulation		Length	Diameter	ID
FH-I-1000-28	PVC Coated Weather + Waterproof Insulation	1000mm	19mm	28mm
FH-I-1000-35	PVC Coated Weather + Waterproof Insulation	1000mm	19mm	35mm
INS-TAPE-10-PK	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
FH-I-1000-28-SLIT	Pre Slit + Seal Insulation	1000mm	19mm	28mm
FH-I-1000-35-SLIT	Pre Slit + Seal Insulation	1000mm	19mm	35mm
INS-TAPE-10-PK	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

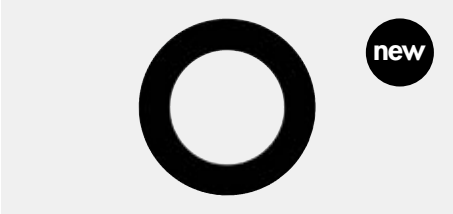
Primary Pro Wall Sleeve		Length	Diameter	Thickness	ID
PS028	Primary Pro 22/28mm Sleeve	1000mm	72mm	25mm	22/25
PS035	Primary Pro 35mm Sleeve	1000mm	87mm	19mm	35

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
CBR2-M	Type 2 Bracket – Medium	Ivory (RAL 7032)	90kg	900mm	500mm	500mm	4.6kg
CBR2-XL	Type 2 Bracket – XL	Ivory (RAL 7032)	250kg	1040mm	550mm	660mm	16.2kg
CBR2-XL-BL	Type 2 Bracket – XL	Black	250kg	1040mm	550mm	660mm	16.2kg
CBR2-XXL-3A-BL-DA	Type 2 Bracket – XXL (3 Arms)	Black	250kg	1120mm	550mm	780mm	17.3kg
AVMB-1	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
CCTM-1080-BL	Metal Tray – 1080mm	Black	500mm	1080mm	7.5kg
CCTM-1100	Metal Tray – Medium	Ivory (RAL 7032)	400mm	1100mm	6.9kg
CCTM-1300-BL	Metal Tray – 1300mm	Black	550mm	1300mm	8.8kg
CCTM01420-BL	Metal Tray	Black	500mm	1420mm	8.5kg

Feet

Guarantees

1 Year on DiversiTech Feet

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	–

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

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
CCTM-FLOOR-BRKT-KIT	Stainless Steel Brackets (with fixings)	4	Flexi Feet / Trays
CCTM-FLOOR-BRKT-KIT-3	Stainless Steel Brackets (with fixing – 3ft version)	4	Flexi Feet / Trays

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
AVFR250	Anti Vibration Rubber Foot 250mm + Fixing Kit	160kg	250mm	130mm	95mm
AVFR400	Anti Vibration Rubber Foot 400mm + Fixing Kit	240kg	400mm	130mm	95mm
AVFR600	Anti Vibration Rubber Foot 600mm + Fixing Kit	450kg	600mm	130mm	95mm
AVFR6150	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

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 4 Bar

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

new

Volumiser Vessels Data Sheets, Installation Instructions + Maintenance

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

	No. of Poles	AMPS AC21	AC23 A 240VA	AC23 A 400VA	Cable Capacity Solid	Cable Capacity Stranded	Height	Width	Depth
IS-4P-32A-G	4	32amp	11kW	7.5kW	1-16mm³	0.75-10mm²	175mm	114mm	135mm
IS-4P-40A-G	4	40amp	15kW	11kW	1-16mm³	0.75-10mm²	175mm	114mm	135mm

inta

Heat Pump Installer Packs

Guarantees

2 Years on Inta Heat Pump Installer Packs

new

All-in-One Pack

Great 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

INHPKIT1	Inta 28mm Heat Pump Installer Pack

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 1¼″Female x 1″ Male Adaptor
1 x Bond + Seal

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 1¼" Adaptor
1 x Bond + Seal

INHPKIT114	Inta 35mm Heat Pump Installer Pack

Chemicals

new

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)

new

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)

new

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)

new

Anti Freeze

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 (25 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 Alphi-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 250m² of underfloor systems and 150 litres of system volume

62393	Fernox Biocide F7 (200ml)

Chemicals

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)

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)

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

100 Litres | 10 Rads | GB

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

100 Litres | 10 Rads | GB

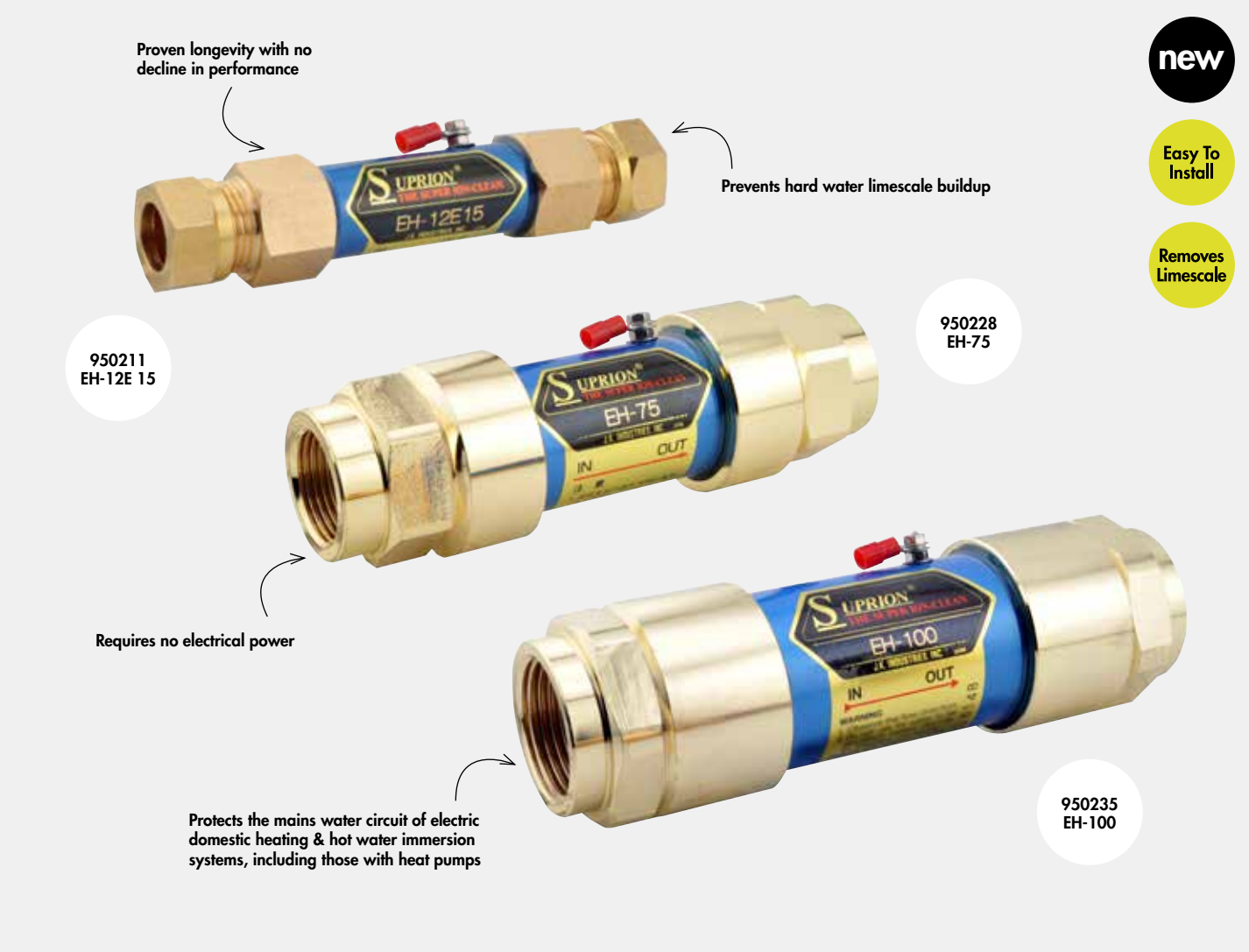
504247	Instinct Pro IN-300 System Cleaner (250ml)

Guarantees

3 Years
on Scalemaster® Suprion Scale Inhibitors

Scale Inhibitors

Suprion – Technologically Advanced Physical Water Treatment



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

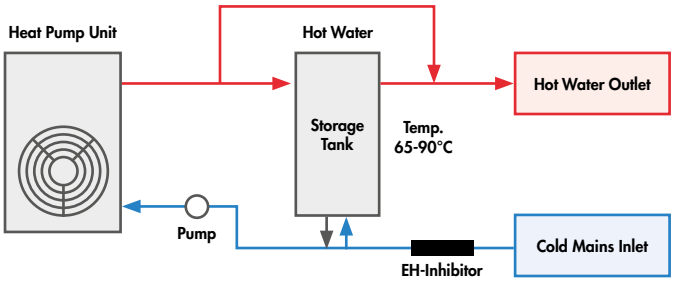
Effective solution in **preventing hard water limescale buildup** and **gently removing existing limescale**

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



Domestic water heater with heat pump system

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

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Our frequently ordered Hydronic UFH products...

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INSTINCT® | PRO

h2x

Underfloor Heating Designs Made Simple

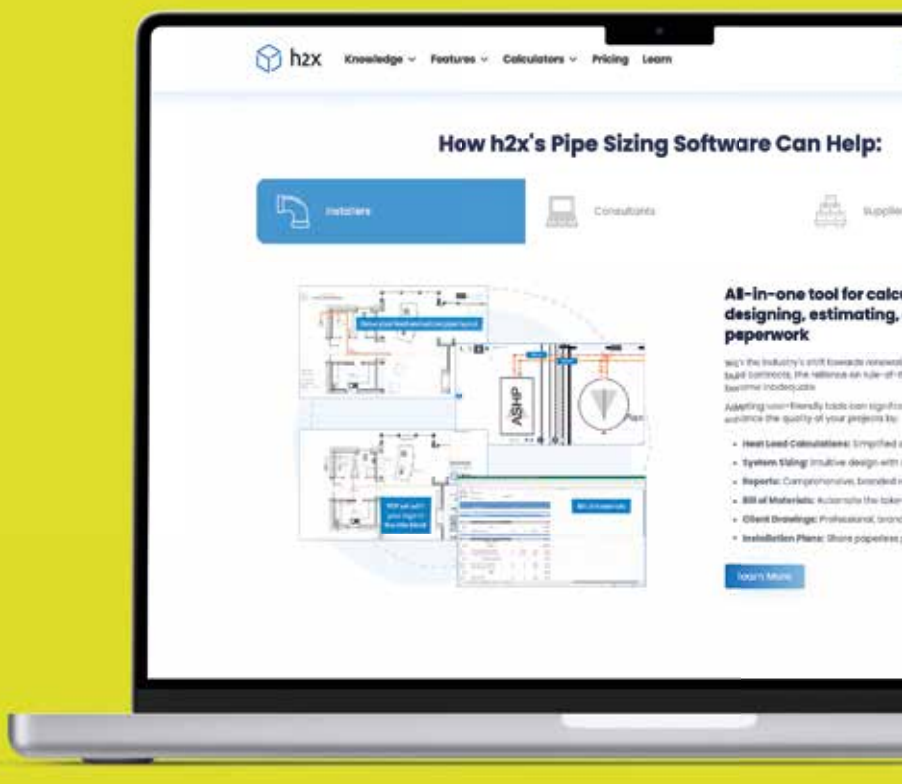
All-in-one tool for calculating, designing, specifying and drawings.

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

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

STAINLESS STEEL

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

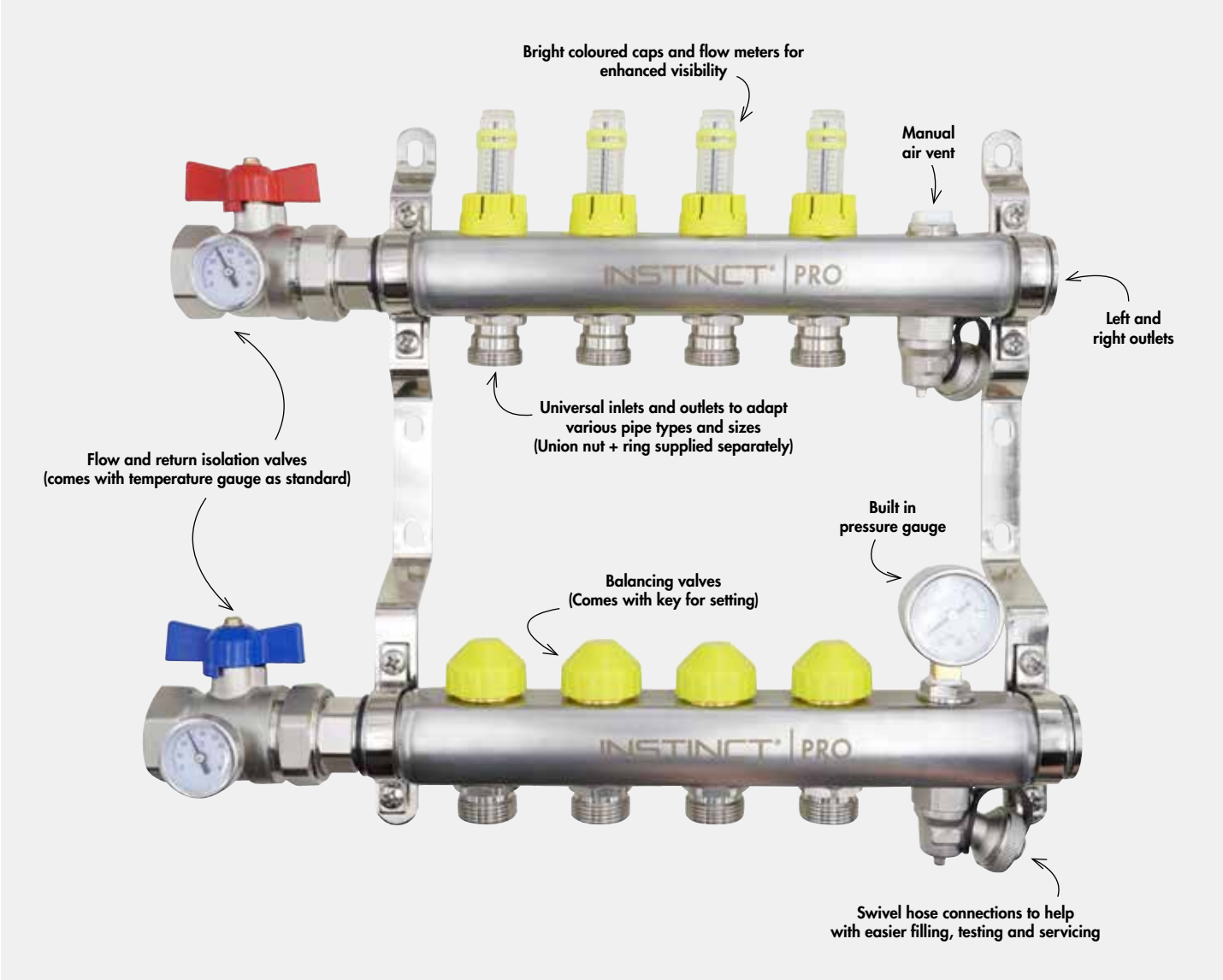
Manifold

Guarantees

5 Years on Stainless Steel Manifold

5 Years on 230V UFH Actuator

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 According to EN60335-1	2.5 kV

UK CA CE

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 ¾" 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 ¾" 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 ½" to ¾" 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 (EEI)

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 ½" to ¾" 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 (EEI)

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 – **12mm 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**

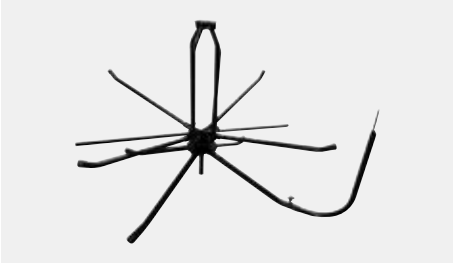
Quantity –
1 (IN-CLG01)
300 Pack (ZL-CL01 + ZL-CL02)
Dimensions –
900(h) x 320(w) x 110(d) mm (IN-CLG01)
41.6(h) x 37.5(w) x 6(d) mm (Zl-CL01)
56.5(h) x 36.4(w) x 6.2(d) mm (Zl-CL02)

IN-CLG01	Standard Clip Gun
ZL-CL01	40mm Tracker Clips
ZL-CL02	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

IN-AP2	Double Groove Aluminium Plate (Fit 16mm)
IN-AP3	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)

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

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

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

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

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

¾″ Ball Valve Set (for Blending Valve Red + Blue – Pair)

These ¾″ 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

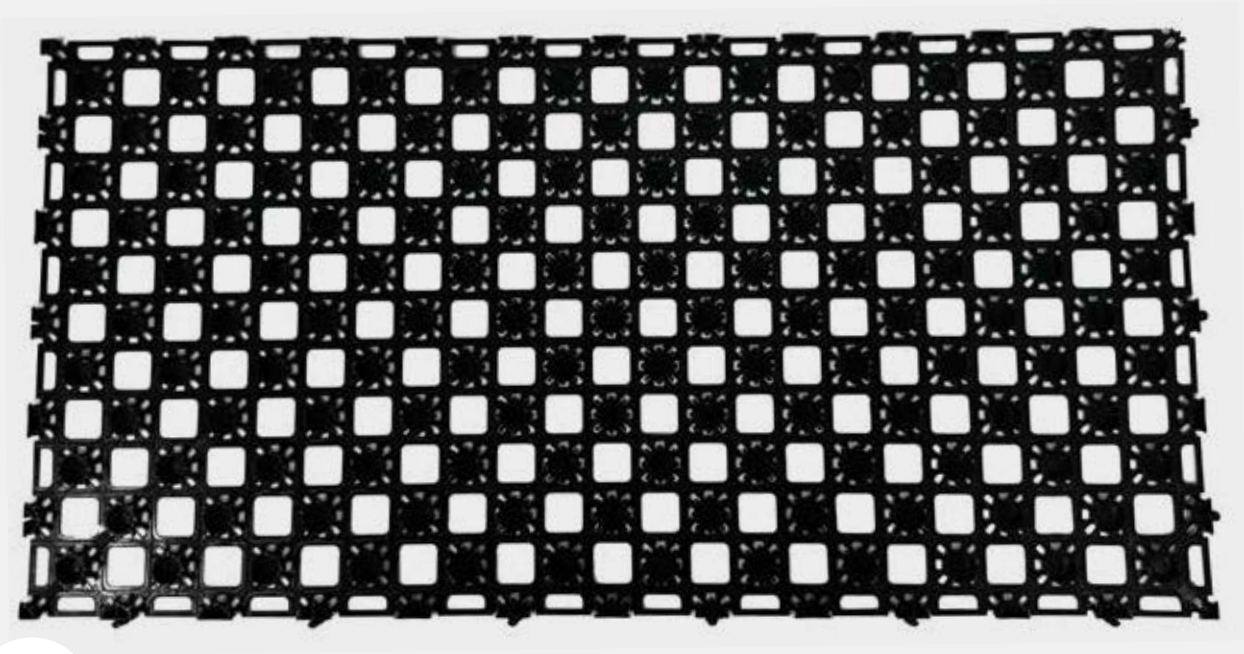
ZL-4130B

Guarantees

2 Years on SpiderFix Panels

Panels

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



new

Easy To Install

Durable Material

Versatile Flooring

Available Jan 2026

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

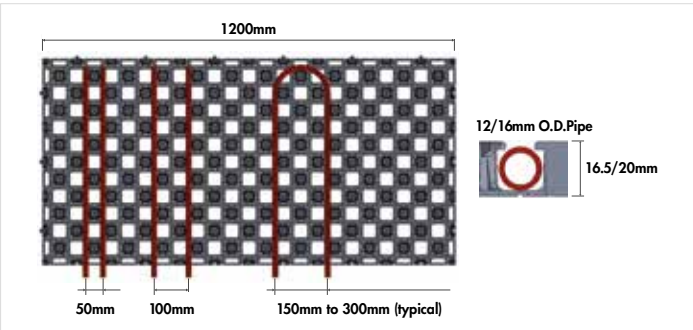
SP-12	SpiderFix Panel (for 12mm Pipe)
SP-16	SpiderFix Panel (for 16mm Pipe)

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



Floor Boards

Fibre Reinforced Gypsum Board

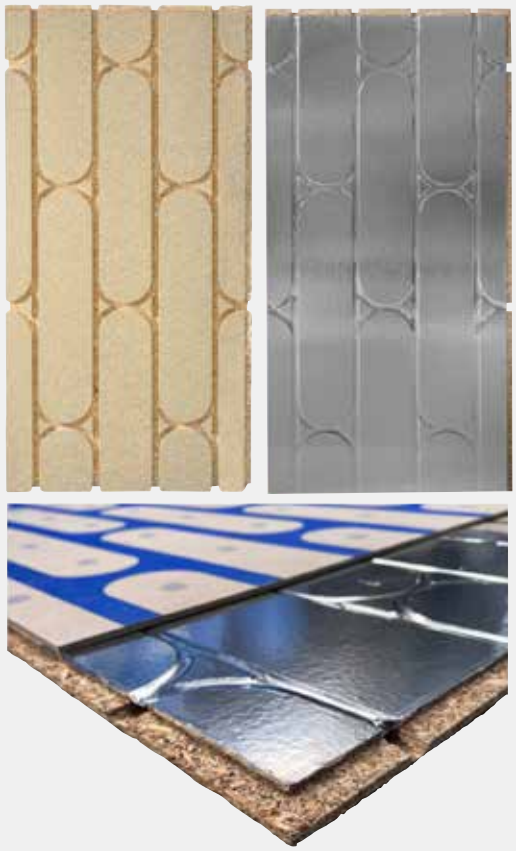
Low profile high performance underfloor heating board. Manufactured from reinforced gypsum, the CNC routed panels are engineered to provide optimum underfloor heating conditions in new build and refurbishment developments.

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)	
new **INBACKER0061200900PRINT**	1200 x 900 x 6mm

For further specification options please see technical data sheet at **www.instinctproducts.co.uk**

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**

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

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)	
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)16150FF-100	1200 x 600 x 20mm for 16mm Pipes

Floor Boards

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

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

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-valve 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/cm² water absorption

Extruded closed cell polylene 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

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)

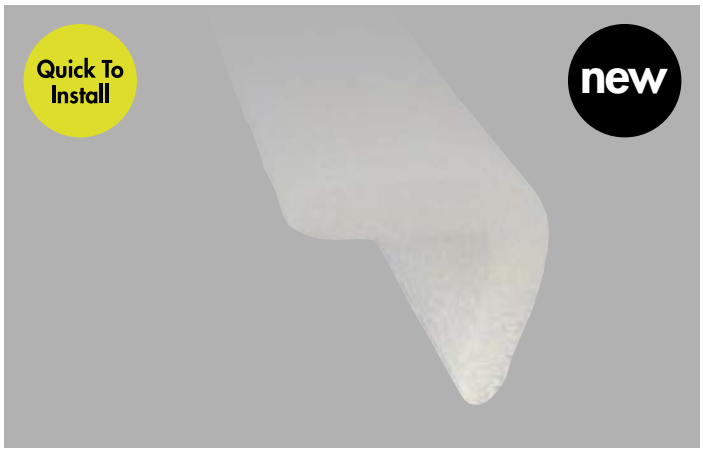
-40°C to +60°C working temperature

0.02 - 0.03 mg/cm² water absorption

Extruded closed cell polylene foam material

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

INDGEA0510050	5mm x 100mm x 50m



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

Warmup
The world's **best-selling** floor heating brand™

Electric UFH

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Our frequently ordered Electric UFH products...

Warmup Element™ WiFi Thermostat
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Warmup 7iE™ Smart Matter WiFi Thermostat
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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
new Warmup 7iE™ 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.

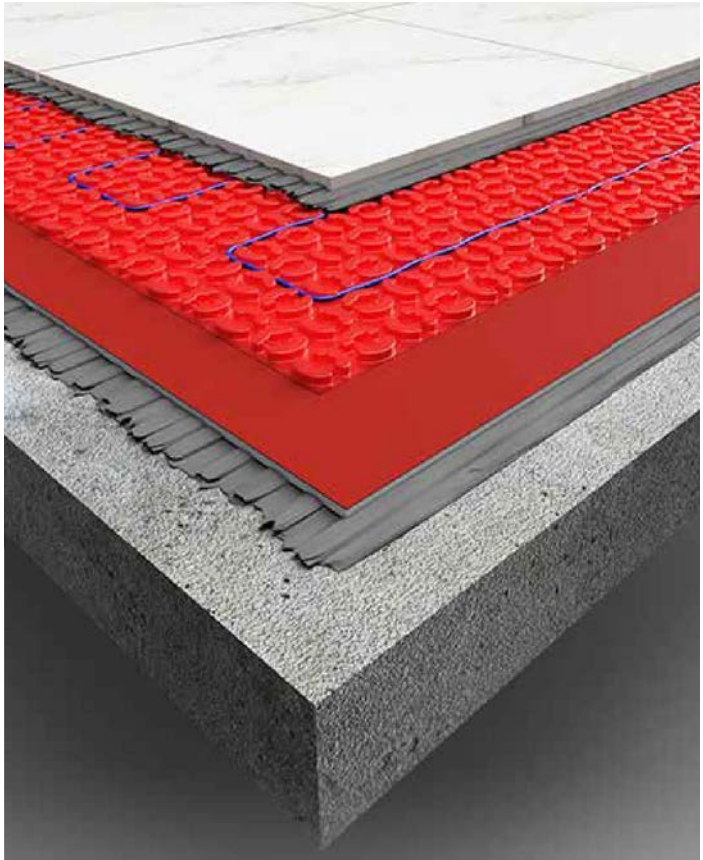
Compatible with Smart Devices
Monitor your energy + cost graphs on mobile, tablet and desktop.

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

LIFETIME LIMITED WARRANTY Warmup

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 it's self-adhesive underside can be affixed directly to the subfloor, eliminating the need to use tile adhesive below, significantly reducing installation time.

CE UKCA BEAB Approved Intertek SAFETYNet Installation-Guarantee

Protects Floor from Damage

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

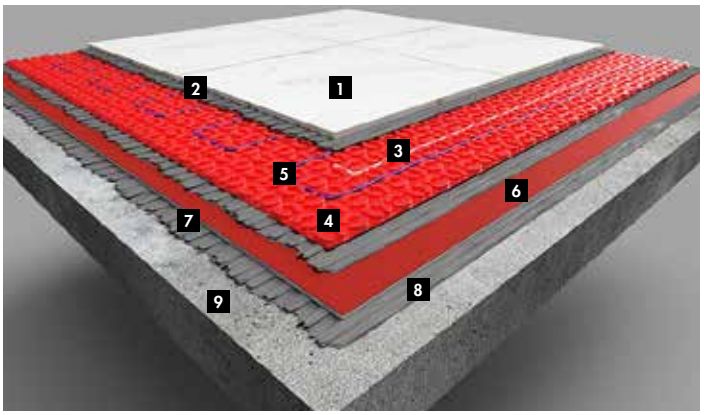
The self-healing decoupling layer contracts and expands to ideal with seasonal changes, preventing damage occurring from gaps and cracks in the subfloor. (Patent No. GB2548319B).

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 – 0.73m² Sheet (985mm x 741mm) DCM-#-14 – 14m² Roll (985mm x 14.3m)
Composition	Polypropylene mat with peel and stick or fleece backing

Materials

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/m²
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:

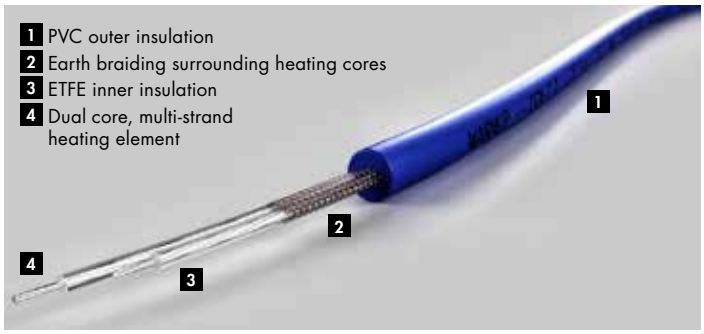
DCM-PRO™ 225 W/m² – based on 2 castellations

DCM-PRO™ 150 W/m² – based on 3 castellations (standard)

DCM-PRO™ 112.5 W/m² – based on 4 castellations

	Heated area at different spacings, m²		
	Castellations		
	2	3	4
	60mm	90mm*	120mm
	225 W/m²	150 W/m²	112.5 W/m²
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
DCM-PS-0.73	DCM-PRO Peel & Stick V3 Mat - 0.73m² Sheet	741mm	985mm
DCM-PS-14	DCM-PRO Peel & Stick V3 Mat - 14m² Roll	14,252mm	985mm
DCM-F-0.73	DCM-PRO Fleece V3 Mat - 0.73m² Sheet	741mm	985mm
DCM-F-14	DCM-PRO Fleece V3 Mat - 14m² Roll	14,252mm	985mm

DCM-PRO™ Cables – Ancillaries

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

Peel + Stick Mat

Fleece Mat

Perimeter Edge Strip

Waterproofing Tape

Waterproofing Tape Internal

Waterproofing Tape External

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).

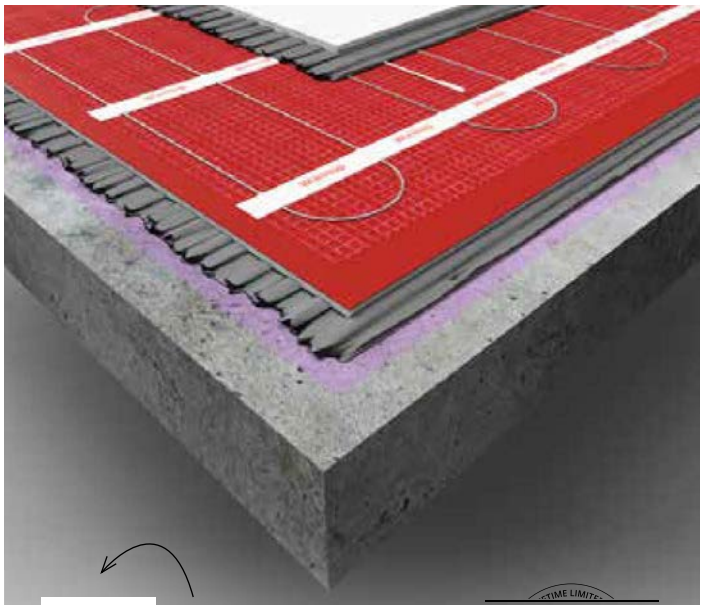
Q – How does the DCM-PRO™ cable fit into the DCM-PRO™ mat?
A – The DCM-PRO™ cable clips into the castellations of the DCM-PRO™ mat. No tools are required when installing the cable into the mat. It is easily installed by running your foot or thumb along the top of the cable to guide it into the castellations.

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

LIFETIME* LIMITED WARRANTY Warmup

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.

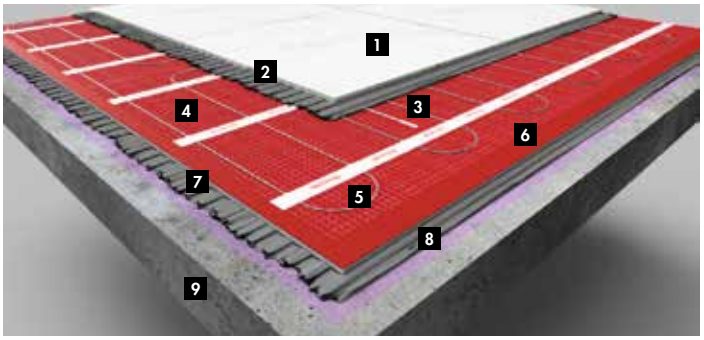
- **Quick + Easy Installation**
  Sturdy glass fibre mesh with pressure sensitive adhesive, for the fastest and most secure installation of electric underfloor heating
- **No Increase In Floor Levels**
  With an ultra-thin, dual fluoropolymer coated heating wire
- **Suitable For All Builds**
  StickyMat™ 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/m² (SPM) / 200 W/m² (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

CE UKCA BEAB Approved Intertek SAFETYNet™ Installation-Guarantee

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*

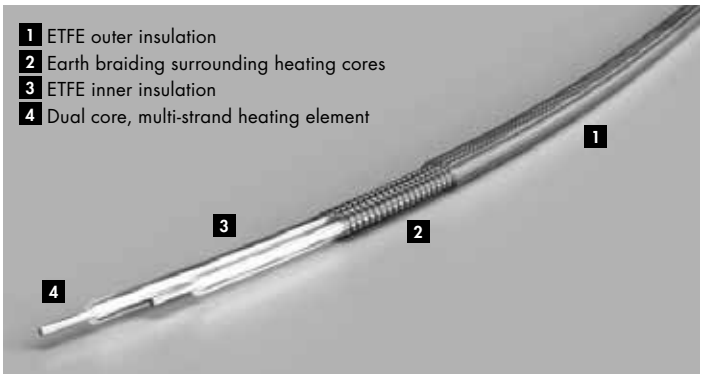
StickyMat™ – 150W/m² System

	Area Heated	Wattage	Amps
SPM1	1m²	150W	0.65A
SPM1.5	1.5m²	225W	0.98A
SPM2	2m²	300W	1.30A
SPM2.5	2.5m²	375W	1.63A
SPM3	3m²	450W	1.96A
SPM3.5	3.5m²	525W	2.28A
SPM4	4m²	600W	2.61A
SPM4.5	4.5m²	675W	2.93A
SPM5	5m²	750W	3.26A
SPM6	6m²	900W	3.91A
SPM7	7m²	1050W	4.57A
SPM8	8m²	1200W	5.22A
SPM9	9m²	1350W	5.87A
SPM10	10m²	1500W	6.52A
SPM11	11m²	1650W	7.17A
SPM12	12m²	1800W	7.83A
SPM15	15m²	2250W	9.78A

StickyMat™ – 200W/m² System

	Area Heated	Wattage	Amps
2SPM0.5	0.5m²	100W	0.44A
2SPM1	1m²	200W	0.87A
2SPM1.5	1.5m²	300W	1.30A
2SPM2	2m²	400W	1.74A
2SPM2.5	2.5m²	500W	2.17A
2SPM3	3m²	600W	2.61A
2SPM3.5	3.5m²	700W	3.04A
2SPM4	4m²	800W	3.48A
2SPM4.5	4.5m²	900W	3.91A
2SPM5	5m²	1000W	4.35A
2SPM6	6m²	1200W	5.22A
2SPM7	7m²	1400W	6.09A
2SPM8	8m²	1600W	6.96A
2SPM9	9m²	1800W	7.83A
2SPM10	10m²	2000W	8.70A
2SPM15	15m²	3000W	13.04A

Cable Section



Materials

Warmup Ultralight™

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

10 YEAR LIMITED WARRANTY Warmup — WARMUP 10 YEAR WARRANTY

Warmup Ultralight™

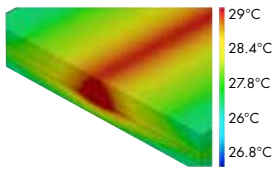
4in1 (Insulating, Heat Spreading, Decoupling, Sound Reducing)

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.

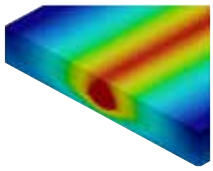
The core PEF insulation provides thermal separation from the floor beneath, ensuring a rapid thermal response of a heated layer of tiles or levelling compound above.

- **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



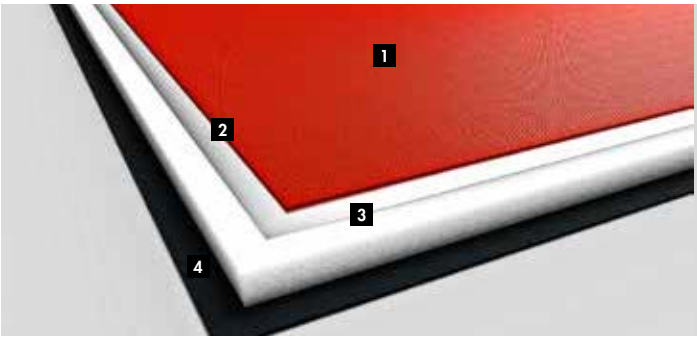
6 mm Ultralight™ Insulation – 29°C Surface Limit



6 mm Traditional Insulation – 29°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) x1200mm (L) ±6mm
Area	0.96m²
Weight of Board	1.1kg
Thermal Resistance EN 12667	0.111m² 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), ANSI A118.12	≥ 1/8" => High Performance
Long Term Water Absorption, EN 12087	0.052% w/w
Water Vapour Permeability, EN 12086	9.12 mg/m²h
Mould Growth, ANSI A118.12	Does not support mould growth

Warmup Ultralight™ Insulation – Product	
WCI-01	Ultralight Insulation Board 6mm x 800mm x 1,200mm
WCI-06	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 6 / 5.76m²)
WCI-16	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pack of 16 / 15.36m²)
WCI-170	Ultralight Insulation Board 6mm x 800mm x 1,200mm (Pallet of 170 / 163.20m²)

Thermostats

Warmup 7iE™ Smart Matter WiFi Thermostat

new

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

IP33 matter

Available on the App Store | GET IT ON Google Play | amazon alexa

7IE-01-OB-DC	Onyx Black
7IE-01-BP-LC	Bright Porcelain

WARMUP 12 YEAR LIMITED WARRANTY · 12 YEAR LIMITED WARRANTY · Warmup

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

CE UKCA BEAB

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

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

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

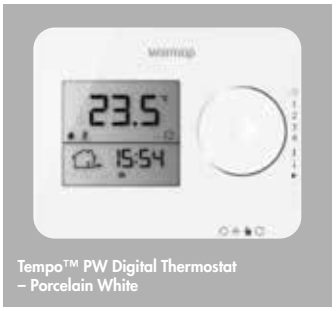
IP33 CE UKCA BEAB

Available on the App Store | GET IT ON Google Play | amazon alexa

ELM-01-OB-DC	Dark (Band Colour – Dark Chrome)
ELM-01-WH-RG	Light (Band Colour – Rose Gold)

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)

IP20 CE UKCA BEAB

ELT-PB	Piano Black
ELT-PW	Porcelain White

INSTINCT®

ideal HEATING

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 and find your local stockist

Heating

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Heating Features

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

Our frequently ordered Heating products...

Easy To Install

Ideal Instinct² Boilers
Page 58

Ideal Heating Cylinders
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Wilo Atmos PICO Circulating Pump
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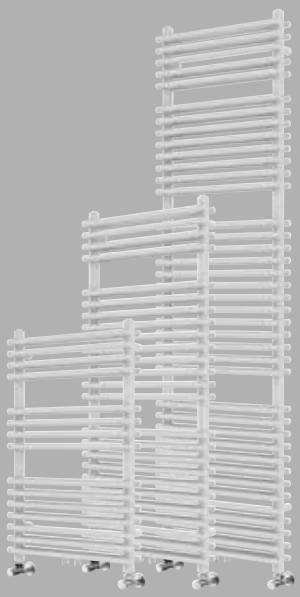
Multiple Sizes

Henrad Compact Radiators
Page 70



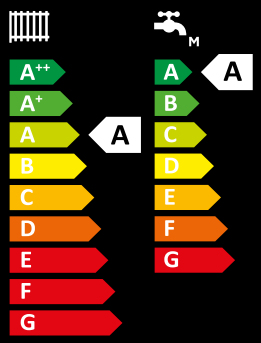
Tulla Towel Rails
Page 78

ideal HEATING

ideal HEATING

INSTINCT 2

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 Instinct² Combi Boilers

Ideal Instinct² Combi Boiler

The Instinct² 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 Instinct² 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

kg

220481	Ideal Instinct² 24 Combi Boiler
220482	Ideal Instinct² 30 Combi Boiler
220483	Ideal Instinct² 35 Combi Boiler

Don't forget your Heating System Chemicals

Page 92-93

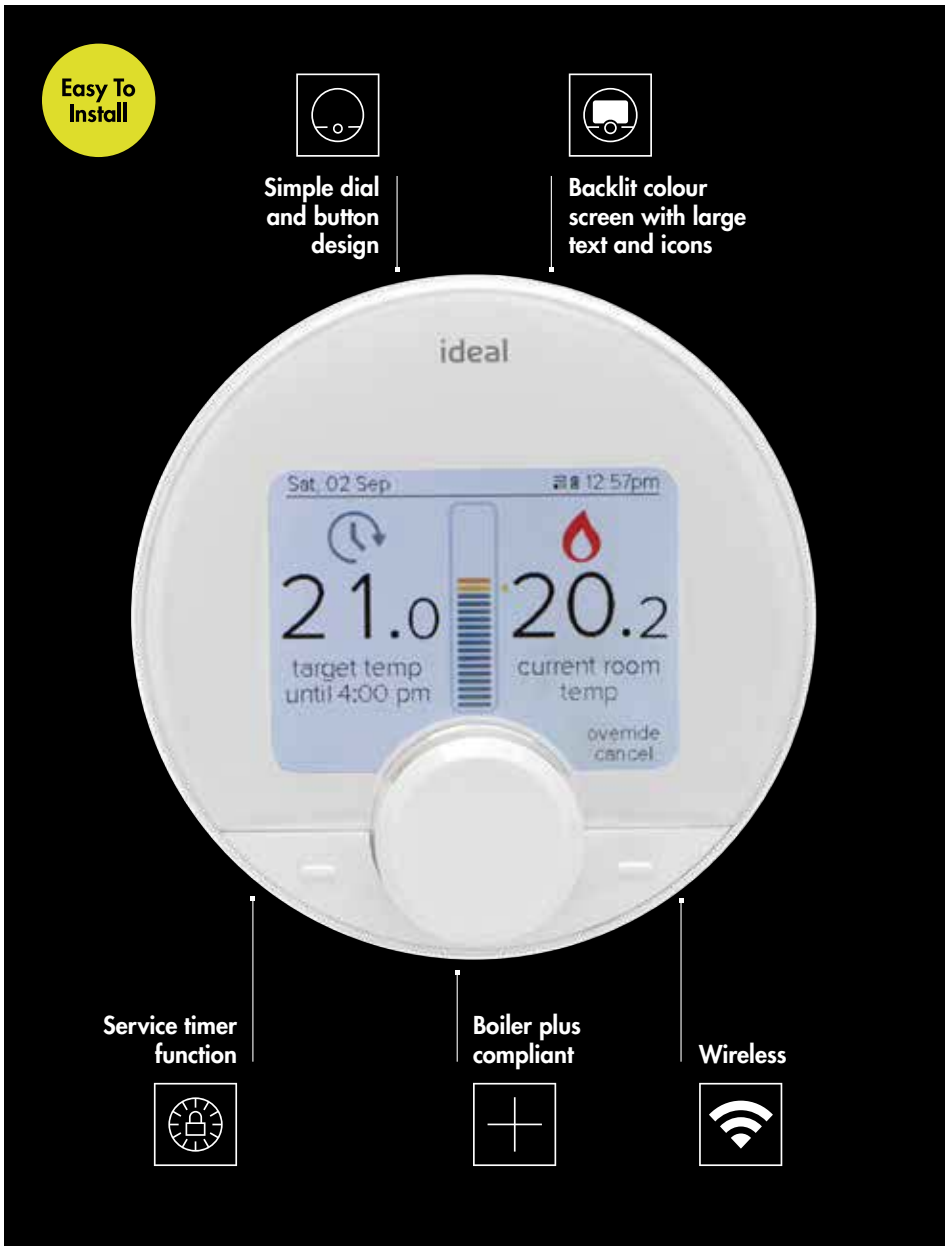
Instinct Pro Central Heating System Chemicals will actively contribute to a healthy heating system.

Specification	Instinct² 24	Instinct² 30	Instinct² 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 (ηs) %	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 Instinct² by providing temperature control and Boiler Plus compliance in one simple device.

Features + Benefits

- **Designed specifically to work with Instinct² 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

Instinct² Weather Compensation Kit

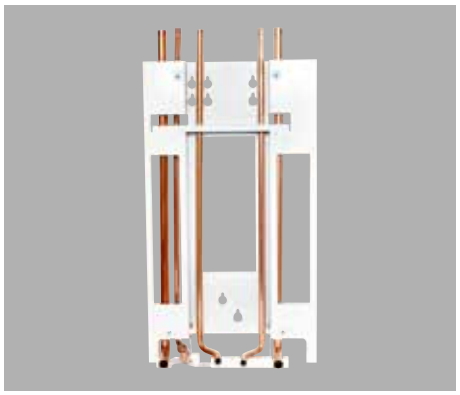
Finish – White
Dimensions – 100(h) x 60(w) x 20(d) mm

216119

Horizontal Flue Terminal (for Instinct² Combi)

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

208173



Instinct² Stand Off Kit

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

207668

ideal HEATING

365 days a year
UK customer service

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

Pumps

Guarantees

3 Years on Condensate Removal Pump

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

IP44

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

Pages 66-69

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

Direct + Indirect Models

Slimline Options

INSTINCT® | PRO

Welcome to 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!

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wilo

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)

Max 10 Bar

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 m³/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
EEI	≤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 m³/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
EEI	≤0.23

Guarantees

5 Years
on Wilo Yonos PICO-Z Circulating Pump

Easy To Install

Low Noise

Energy Efficient

new

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

Max 10 Bar

4255416 Wilo Yonos PICO-Z

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

Ideal Instinct Indirect Pre Plumbed System Ready Cylinders

120 150 170 200 250 + 300

25

Year Guarantee†

Mains pressure hot water

Manufactured in the UK

Next day delivery available

High quality fittings

Proven technologies and quality manufacturing at a competitive price

Straight pipework for easy installation

High corrosion resistant duplex stainless steel

B ErP rating up to 170L model

All dimensions in mm. All measurements are approximate and subject to standard tolerances.

Cylinders

†Guarantees

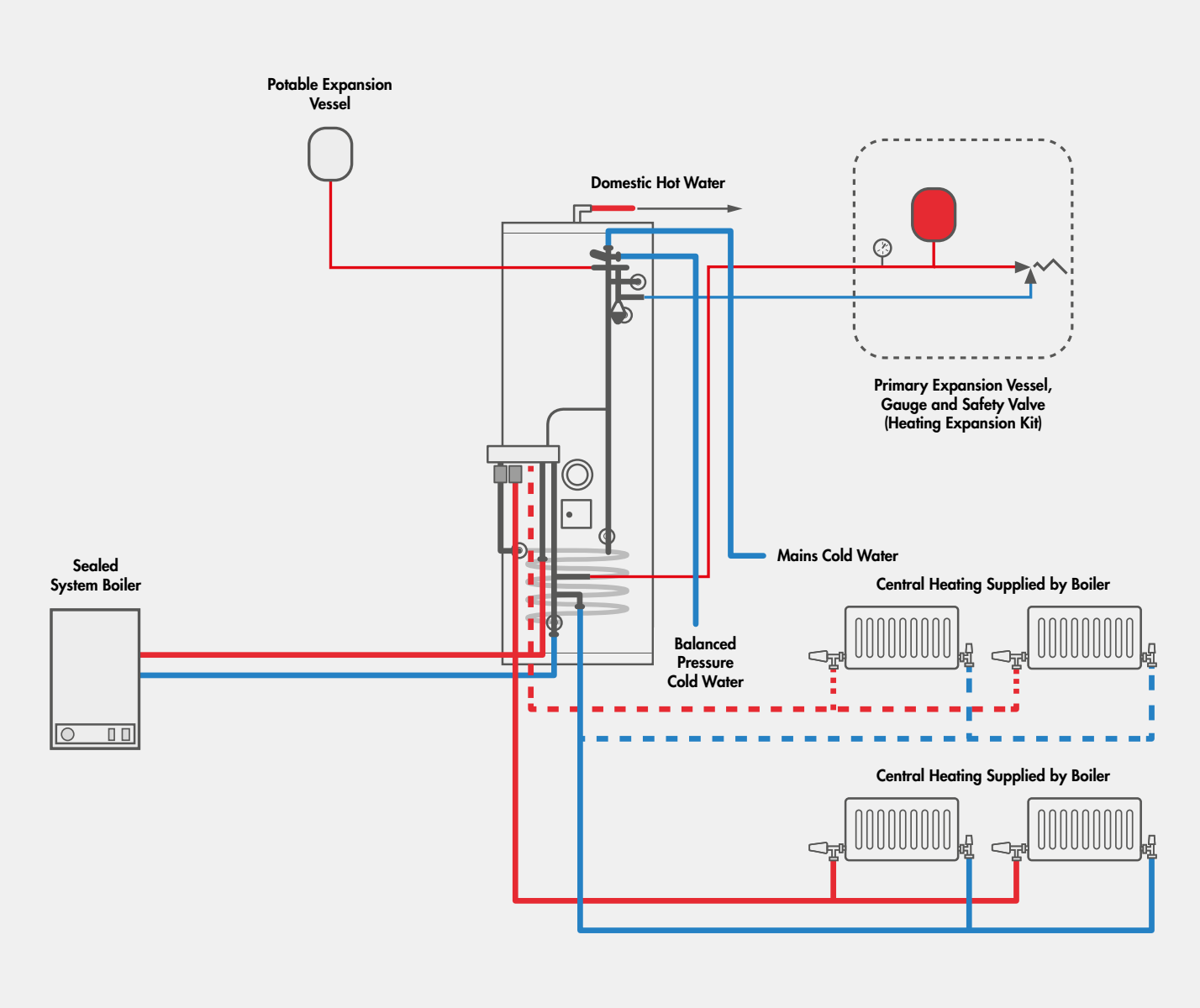
25 Years on Vessel | 2 Years on Parts

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

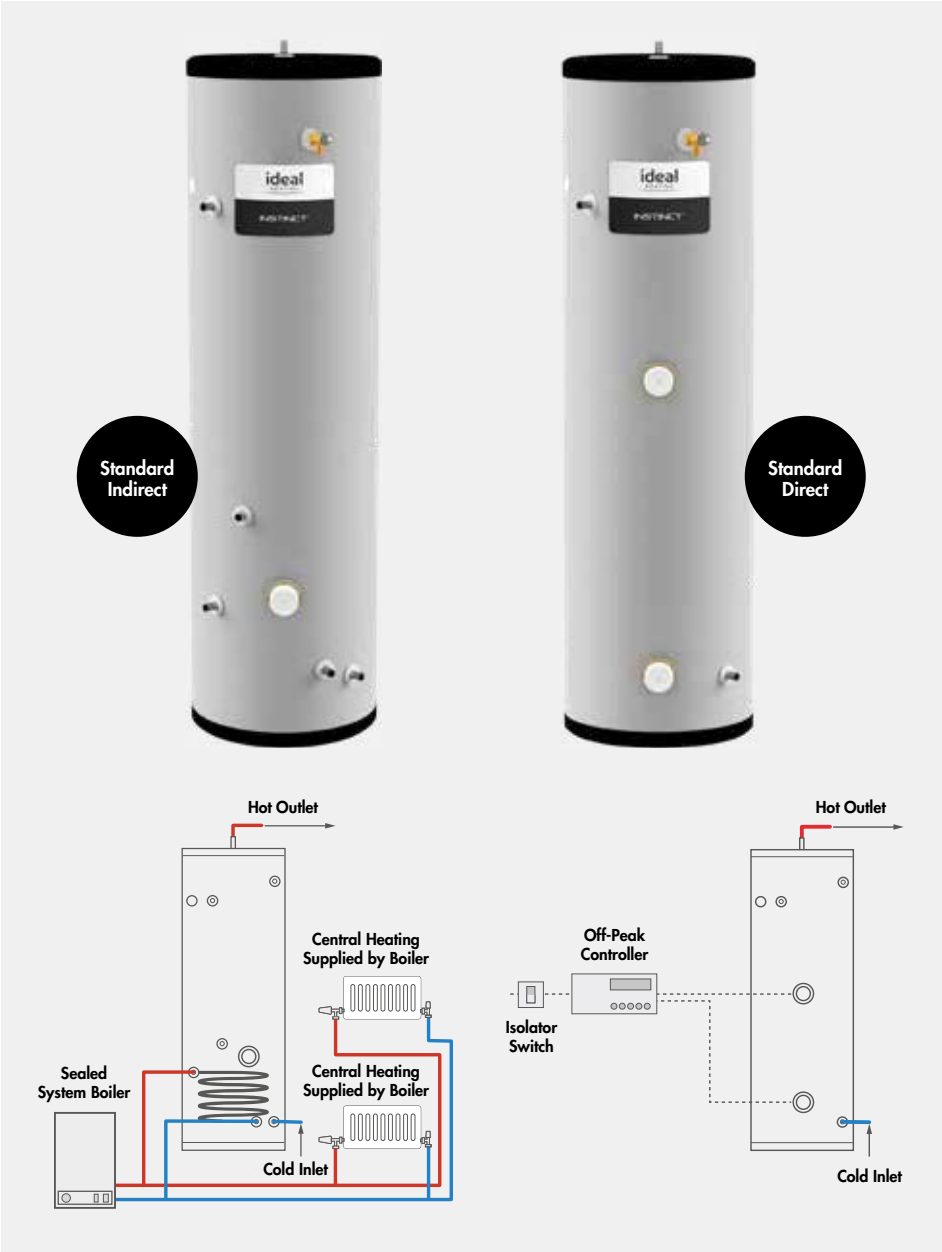
25 Years on Vessel | 2 Years on Parts

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

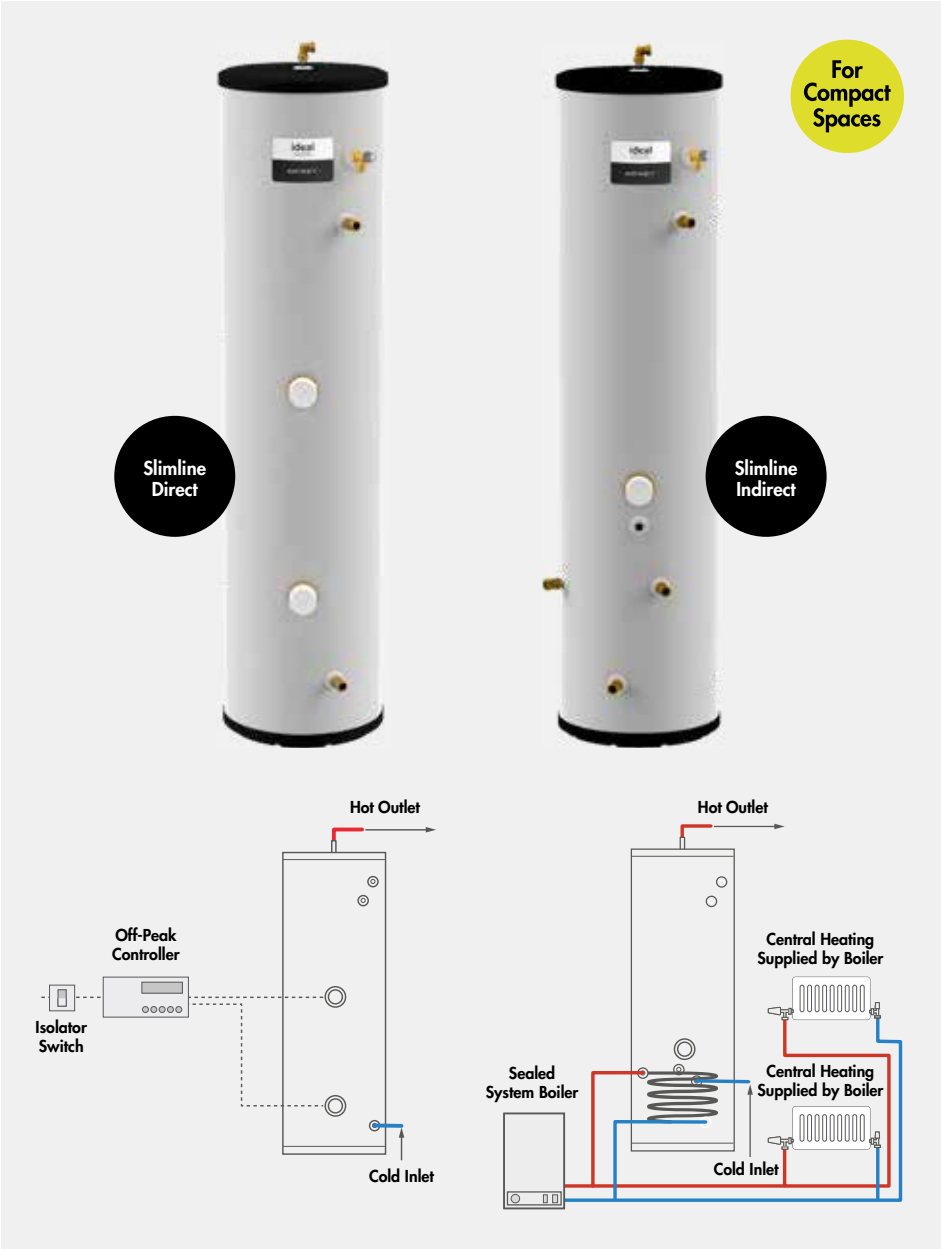
Standard Indirect Cylinders

	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	
IDEINSDR120SL	Ideal Instinct Direct 120 Litre Slimline Unvented Cylinder
IDEINSDR150SL	Ideal Instinct Direct 150 Litre Slimline Unvented Cylinder
IDEINSDR180SL	Ideal Instinct Direct 180 Litre Slimline Unvented Cylinder
IDEINSDR210SL	Ideal Instinct Direct 210 Litre Slimline Unvented Cylinder

Slimline Indirect Cylinders	
IDEINSIN120SL	Ideal Instinct Indirect 120 Litre Slimline Unvented Cylinder
IDEINSIN150SL	Ideal Instinct Indirect 150 Litre Slimline Unvented Cylinder
IDEINSIN180SL	Ideal Instinct Indirect 180 Litre Slimline Unvented Cylinder
IDEINSIN210SL	Ideal Instinct Indirect 210 Litre Slimline Unvented Cylinder

Slimline Direct

	ErP Rating	Heat Loss	Heat Loss	Capacity	Height	Diameter	Weight
IDEINSDR120SL	C	47 Watts	1.13 kWh/24h	120 Litres	1248mm	475mm	23.2kg
IDEINSDR150SL	C	56 Watts	1.37 kWh/24h	149 Litres	1519mm	475mm	27kg
IDEINSDR180SL	C	67 Watts	1.61 kWh/24h	181 Litres	1791mm	475mm	31kg
IDEINSDR210SL	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
IDEINSIN120SL	B	47 Watts	1.13 kWh/24h	120 Litres	1248mm	475mm	24kg
IDEINSIN150SL	B	56 Watts	1.37 kWh/24h	149 Litres	1519mm	475mm	28kg
IDEINSIN180SL	C	67 Watts	1.61 kWh/24h	181 Litres	1791mm	475mm	32kg
IDEINSIN210SL	C	74 Watts	1.77 kWh/24h	197 Litres	1963mm	475mm	34.8kg

Radiators

Guarantees

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

Btu/hr @ Δt50°C

Radiators

Guarantees
10 Years on Compact Radiators

Henrad Compact Radiators

Compact Radiators		Single Convector Type 11			Double Convector Type 22		
			Heat Emissions			Heat Emissions	
Height	Length	Henrad Code	Watts	Btu/hr	Henrad Code	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

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 ½" 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	Heat Emissions Btu/hr
300	1000	**2033310**	1349	4603
	2000	**2033320**	2698	9206
500	600	**2053306**	1234	4210
	700	**2053307**	1439	4910
	800	**2053308**	1645	5613
	900	**2053309**	1850	6312
	1000	**2053310**	2056	7015
	1100	**2053311**	2262	7718
	1200	**2053312**	2467	8417
	1400	**2053314**	2878	9820
	1600	**2053316**	3290	11225
	1800	**2053318**	3701	12628
	2000	**2053320**	4112	14030
	2400	**2053324**	4934	16835
600	400	**2063304**	956	3262
	500	**2063305**	1195	4077
	600	**2063306**	1433	4889
	700	**2063307**	1672	5705
	800	**2063308**	1911	6520
	900	**2063309**	2150	7336
	1000	**2063310**	2389	8151
	1100	**2063311**	2628	8967
	1200	**2063312**	2867	9782
	1400	**2063314**	3345	11413
	1600	**2063316**	3822	13041
	1800	**2063318**	4300	14672
	2000	**2063320**	4778	16303
	2400	**2063324**	5734	19564
700	500	**2073305**	1356	4627
	600	**2073306**	1627	5551
	700	**2073307**	1898	6476
	800	**2073308**	2170	7404
	900	**2073309**	2441	8329
	1000	**2073310**	2712	9253
	1100	**2073311**	2983	10178
	1200	**2073312**	3254	11103
	1400	**2073314**	3797	12955
	1600	**2073316**	4339	14805
	1800	**2073318**	4882	16657
	2000	**2073320**	5424	18507

Btu/hr @ Δt50°C

Radiators

Guarantees
10 Years on Espada Aluminium Radiators

Espada Aluminium Vertical Radiators

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

Radiators

Guarantees

10 Years
on Espada Aluminium 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
ES-V180228WH	1800	224	71	402	1372
ES-V180376WH	1800	376	71	670	2286
ES-V180524WH	1800	528	71	938	3200
ES-V180672WH	1800	680	71	1206	4115

Anthracite Finish

	Height	Width	Depth	Watts	Btu/hr
ES-V180228AT	1800	224	71	402	1372
ES-V180376AT	1800	376	71	670	2286
ES-V180524AT	1800	528	71	938	3200
ES-V180672AT	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
ES-VDP180228WH	1800	224	71	627	2139
ES-VDP180376WH	1800	376	71	1045	3566
ES-VDP180524WH	1800	528	71	1463	4992
ES-VDP180672WH	1800	680	71	1881	6418

Anthracite Finish

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

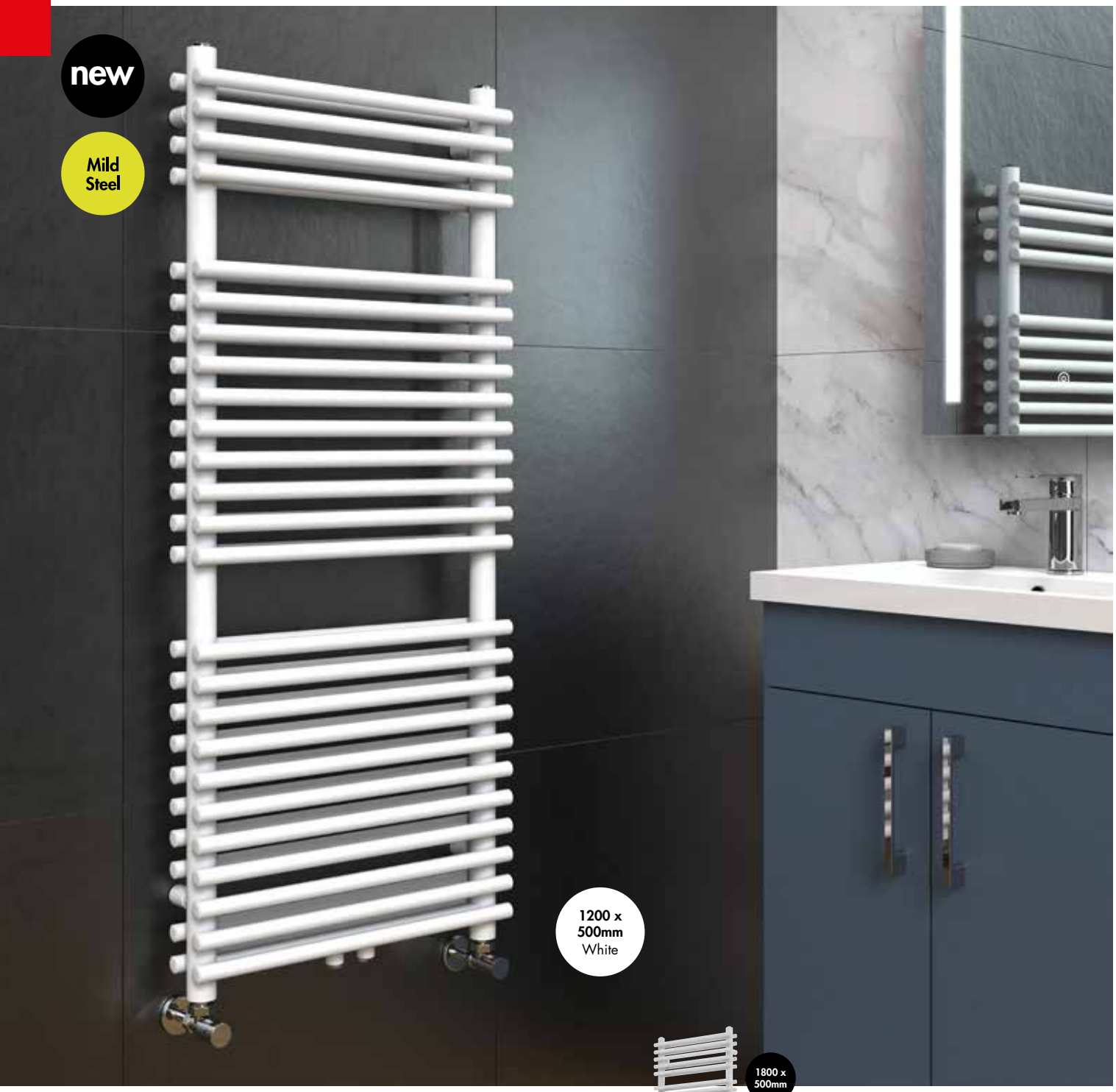
Anthracite Finish

	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



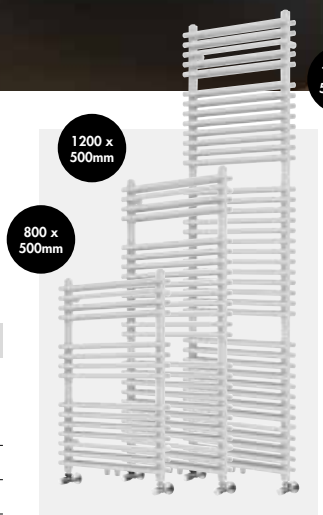
Tulla Towel Rails

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



Don't forget your Heating System Chemicals

Page 92-93

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

Towel Rails

Guarantees

15 Years on 22mm 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.
Thermostatic Mixing Valves (TMVs)	
15mm TMV2 / 3 Thermostatic Mixing Valve	81
22mm TMV2 / 3 Thermostatic Mixing Valve	81
15mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)	81
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Designer Radiator Valves	
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Manual Radiator Valves	
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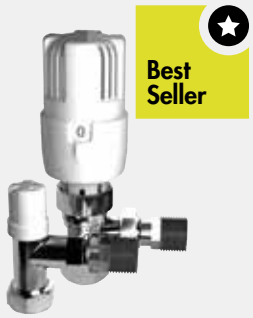
Ancillaries	85

Control Features

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

Our frequently ordered Controls products...



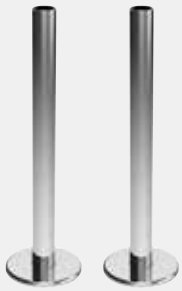
15mm Angled TRV (Twin Pack)
Page 83

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

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

50° 30° | Max 85°C | Min 0.2 Bar | Max 10 Bar | WRAS

40015CBA

22mm TMV2 / 3 Thermostatic Mixing Valve

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

50° 30° | Max 85°C | Min 0.2 Bar | Max 10 Bar | WRAS

40022CBA

15mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)

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

50° 30° | Max 85°C | Min 0.2 Bar | Max 10 Bar | WRAS

400MX15CBA

22mm TMV2 / 3 Thermostatic Mixing Valve (Isolators)

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

50° 30° | Max 85°C | Min 0.2 Bar | Max 10 Bar | WRAS

400MX22CBA

Thermostatic Radiator Valves (TRVs)

Guarantees

1 Year on Thermostatic Radiator Valves (TRVs)

Modern Thermostatic Radiator Valves (TRVs)

Chrome (½" 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)

INCNT004AP-CP	Angled Valve
INCNT004ST-CP	Straight Valve
INCNT024	Corner Valve

Matt Black (½" 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)

INCNT004AP-BL	Angled Valve
INCNT004ST-BL	Straight Valve
INCNT024-BL	Corner Valve

Anthracite (½" 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)

INCNT004AP-AT	Angled Valve
INCNT004ST-AT	Straight Valve
INCNT024-AT	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)

15PACKACP.1	Angled Valve
15PACKSCP.1	Straight Valve

Classic Polished Chrome (Twin Pack)

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

INST-AL055LC	Angled Valve

Brushed Brass (½" x 15mm)

Dimensions –
136(h) x 68(w) x 40(d) mm

INCNT004AP-ZBBS	Angled Valve

15mm Pipe Connection Tubes (Pair)

Chrome

Dimensions –
150(h) x 15(w) x 15(d) mm

INCNT005-C

Matt Black

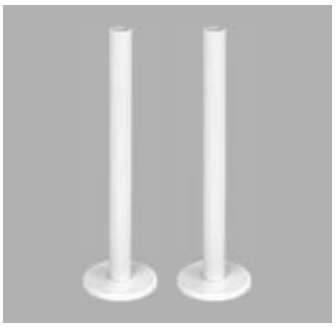
Dimensions –
150(h) x 15(w) x 15(d) mm

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)

White (15mm – Twin Pack)

Dimensions –
140(h) x 76(w) x 48(d) mm

Max 110°C | Max 10 Bar

15PACKAWHCP.1 — Angled Valve

White (10mm – Twin Pack)

Dimensions –
140(h) x 76(w) x 48(d) mm

Max 110°C | Max 10 Bar

10PACKAWHCP — Angled Valve

White (15mm)

Dimensions –
140(h) x 76(w) x 48(d) mm

Max 110°C | Max 10 Bar

15TRVAWHCP — Angled Valve

White (10mm)

Dimensions –
140(h) x 76(w) x 48(d) mm

Max 110°C | Max 10 Bar

10TRVAWHCP — Angled Valve

Straight (TRVs)

White (15mm – Twin Pack)

Dimensions –
124(h) x 85(w) x 48(d) mm

Max 110°C | Max 10 Bar

15PACKSWHCP.1 — Straight Valve

One Piece Reducing Bullet

Brass (15 x 10mm)

Dimensions –
30(h) x 50(w) x 60(d) mm

1510RED

INSTINCT 2

The Ideal Instinct² Combi Boiler

Pages 58-59

Available in outputs of 24, 30 and 35 kW the Instinct² 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 Instinct² combi boiler is the perfect fit.

www.instinctproducts.co.uk

ideal HEATING

Easy To Install

Designer Radiator Valves

Guarantees

1 Year on Designer Radiator Valves

Contemporary / Traditional Radiator Valves

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 (½" x 15mm – Pair)

Dimensions –
110(h) x 115(w) x 46(d) mm

INST-AL034LC	Angled Valve

Coloured Valves

Matt Black (½" 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 (½" 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 (½" 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

½" M & F Dual Fuel Elbow

Finish – Chrome

DFE12

Towel Rail Element (Inc. Tee Piece + ½" 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.

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.
Scale Inhibitors	
Magnetic Scale Inhibitor	87
Electrolytic Scale Inhibitor	87
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Chemicals	
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Magnetic Filters	
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

Cost Saving Filter

22mm + 28mm Magnetic Filter (Isolation Valves)
Page 98

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.

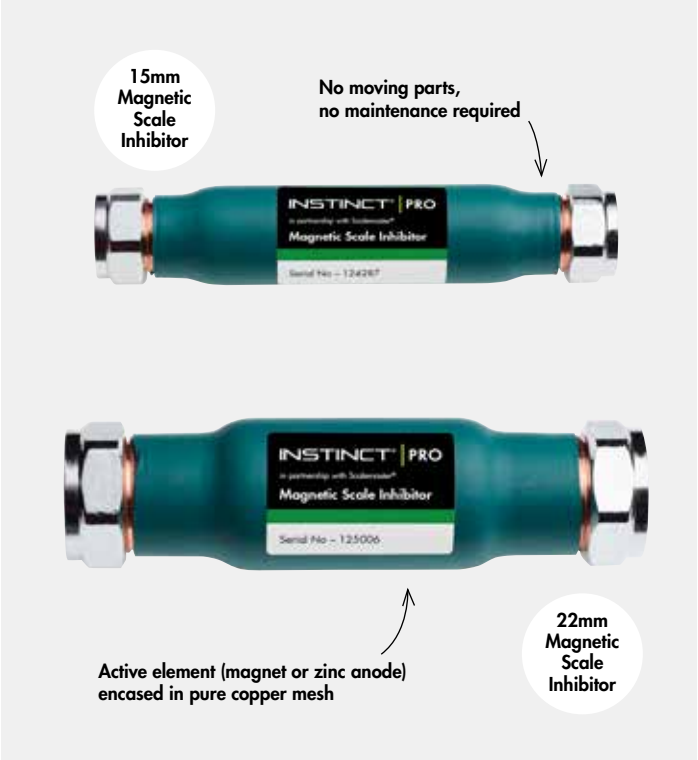
- GB — Manufactured in Great Britain
- Manufactured Using Patented Technologies
- Easy to Install and Maintain
- Cost Saving Product
- 100 Litres — Dosing Amount – Up to 100 Litres
- 10 Rads — Dosing Amount – Up to 10 Radiators
- Prevents Limescale + Corrosion
- Dissolves Limescale
- Removes Debris Suspended in Water
- Seals Leaks + Weeping Joints
- Improves Heat Transfer
- Prevents Bacterial + Fungul Growth
- Use with Power Flushing Machines
- Non-Hazardous Formulation
- 50% — Bottle Made from 50% Recycled Plastic
- App Control via Mobile Device
- Min 0.2 Bar — Minimum Operating Pressure
- Max 4 Bar — Maximum Operating Pressure
- Min 90°C — Minimum Operating Temperature
- Max 120°C — Maximum Operating Temperature

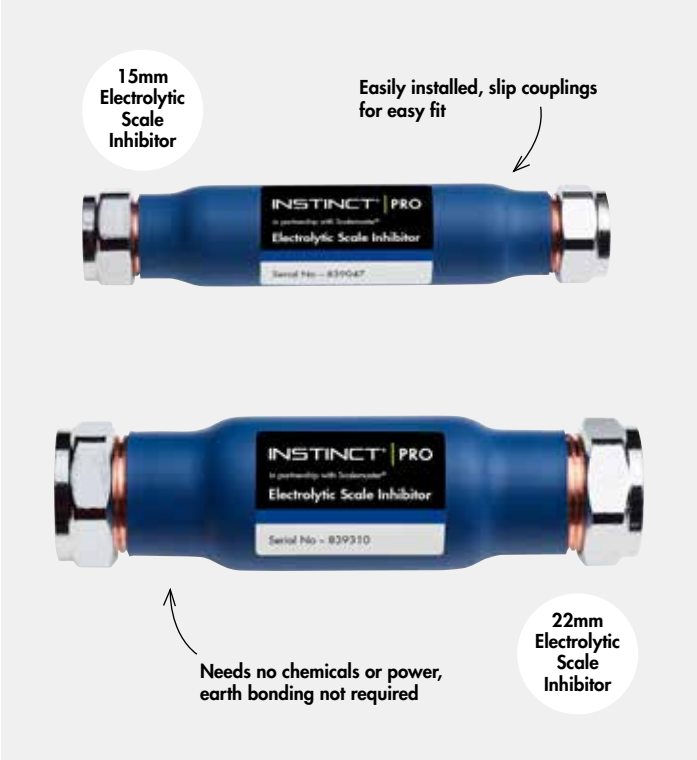
Guarantees

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)

GB WRAS

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)

GB WRAS

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)

GB

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

Min 1.7 Bar | Max 5 Bar | GB | WRAS

SL10 With 15mm Install Kit

SL10P With 22mm Install Kit (with 22mm Hi-Flow Hoses)

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

Min 1.7 Bar | Max 5 Bar | GB | WRAS

SL14 With 15mm Install Kit

SL14P 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

Min 1.7 Bar | Max 5 Bar | GB | WRAS

SL20 With 15mm Install Kit

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

Min 1.7 Bar | Max 5 Bar | GB | WRAS

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

Min 1.7 Bar | Max 5 Bar | GB

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

Min 1.7 Bar | Max 5 Bar | GB

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

Min 1.5 Bar | Max 6 Bar | WRAS

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

Min 1 Bar | Max 6 Bar

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

Min 1.2 Bar | Max 6 Bar | WRAS

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

Min 1.5 Bar | Max 6 Bar | WRAS

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

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

50%

Bottles Made from 50% Recycled Plastic

GB

Manufactured in Great Britain

NSF

NSF CIAS

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)

100 Litres | 10 Rads | GB | NSF CIAS

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)

100 Litres | 10 Rads | GB

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)

100 Litres | 10 Rads | 50% | GB

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

100 Litres | 10 Rads | 50% | GB

504230	250ml Bottle

IN-400 Sludge Remover

Dimensions – 137(h) x 72(w) x 49(d) mm

100 Litres | 10 Rads | 50% | GB

504254	250ml Bottle

IN-600 Heat Optimiser

Dimensions – 137(h) x 72(w) x 49(d) mm

100 Litres | 10 Rads | 50% | GB

504278	250ml Bottle

IN-700 System Biocide

Dimensions – 137(h) x 72(w) x 49(d) mm

100 Litres | 10 Rads | 50% | GB

504285	250ml Bottle

IN-800 Power Cleaner

Dimensions – 137(h) x 72(w) x 49(d) mm

100 Litres | 10 Rads | 50% | GB

504292	250ml Bottle

Chemical Filling Kit

Features + Benefits

For use with 250mm + 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

GB

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

GB

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

GB

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

GB

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)

GB

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

GB

504773 1 Litre Bottle

i-TEST

BY SCALEMASTER®

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

Download on the App Store

GET IT ON Google Play

Phone not included.

Powder Chemicals

Guarantees

1 Year on BWT Power Crystals

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*

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

Magnetic Filters

Guarantees

Years
on 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)

Max 6 Bar

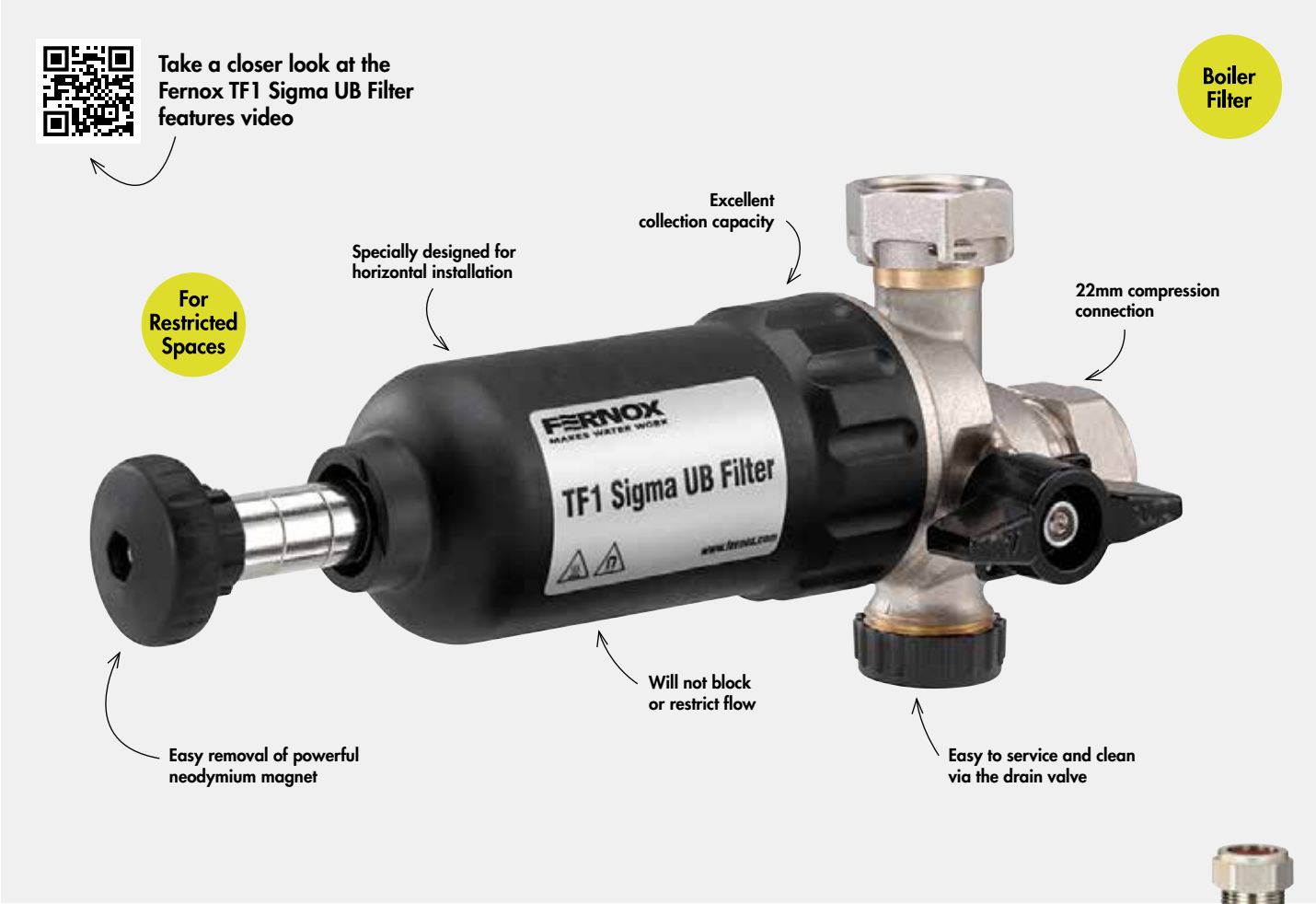
INMAG22	22mm Magnetic Filter (Isolation Valves)
INMAG28	28mm Magnetic Filter (Isolation Valves)
MAGFILTOOL	Spanner for INMAG Magnetic Filters

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 Instinct² 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 contaminates, 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

Max 100°C | Max 5 Bar

62631 Fernox TF1 Sigma UB Filter 22mm

Take a closer look at the Fernox TF1 Sigma Mini Filter features video

Fernox TF1 Sigma Mini Filter (Suitable with Ideal Instinct² 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

Max 100°C | Max 5 Bar

62708 Fernox TF1 Sigma Mini 22mm

Consumables

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Our frequently ordered Consumable products...

Best Seller

Instinct Pro 15mm Pipe Bender
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Best Seller

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

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.

ROTHENBERGER
pipetool technologies at work

NEW

DRILLING & CUTTING ACCESSORY RANGE

Quality you can trust from ROTHENBERGER

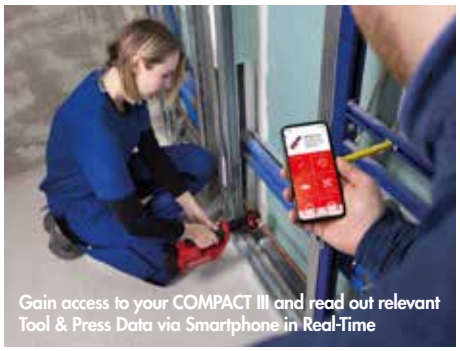
ROTHENBERGER

Press Tools

Use bonus points that are packaged with the Compact III at www.rothenberger.com/gb-en/bonus-programme/ to claim a new battery FOC

Guarantees

2 Years on Rothenberger Press Tool


Gain access to your COMPACT III and read out relevant Tool & Press Data via Smartphone in Real-Time

Perfectly balanced centre of gravity allows for comfortable work

With just 2.5 kg of weight, overhead jobs will be effortless even over an extended period of time

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

40K 2 Yrs

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

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

2s 20K 2 Yrs

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

MADE IN BRITAIN

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

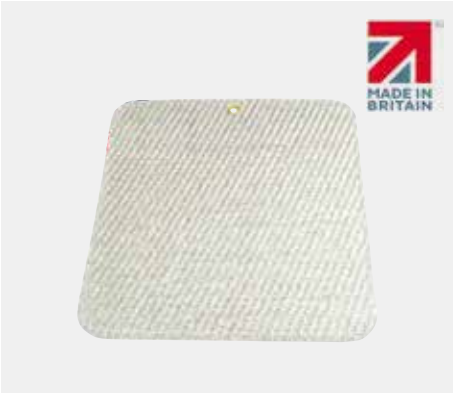
The INST2361 OMAT® is a patented, slotted protection mat for soldering pipes and tubes to protect walls, cables, carpets and other flammable material. The OMAT® slot has an overlap at the back which enables the protective mat to go either side of the tube or pipe being soldered so as to protect the surrounding 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

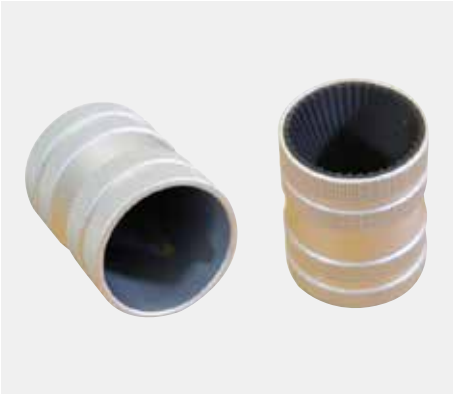
INST0265

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

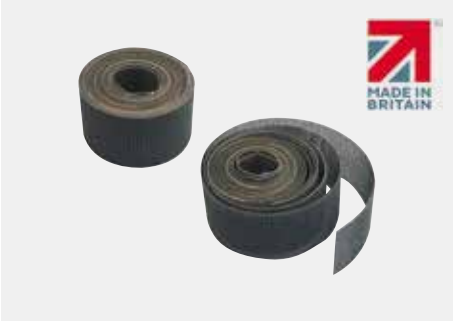
INST0273

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 –
255(h) x 40(w) x 10(d) mm (INST3024)
140(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)

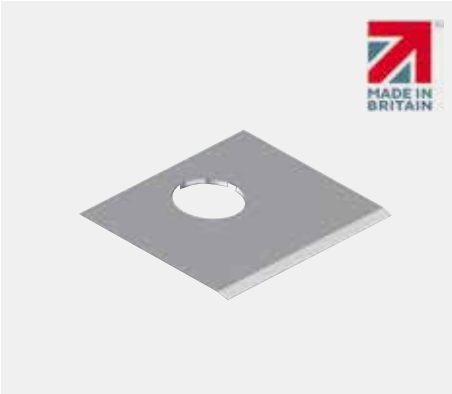
Quantity – 1
Dimensions –
75(h) x 75(w) x 40(d) mm (INST0115)
70(h) x 70(w) x 40(d) mm (INST0122)

INST0115	15mm
INST0122	22mm

1¼" + 1½" 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	1¼"
INST1112	1½"



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

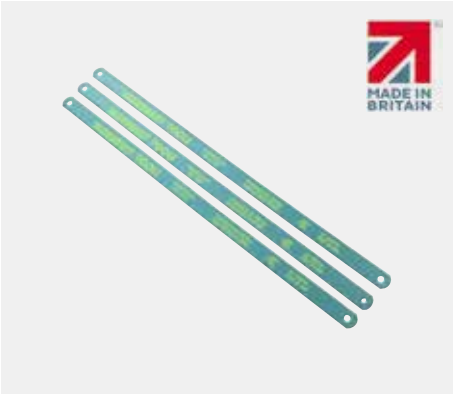
Quantity – 1
Dimensions – 245(h) x 75(w) x 10(d) mm

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

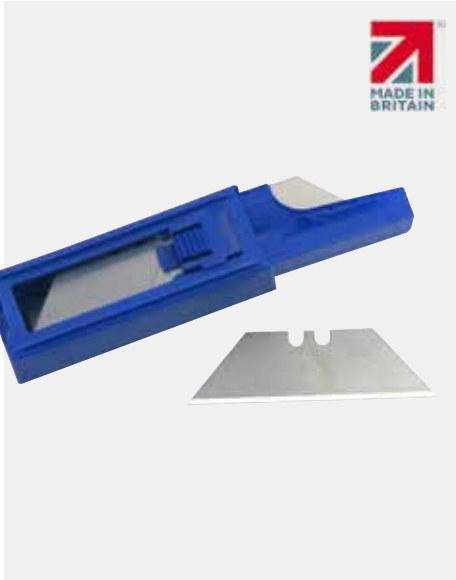
INST1120

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

½, ¾ + 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 ½" + ¾" 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 ¾" 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

INST1961S5	5m
INST1962S8	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

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

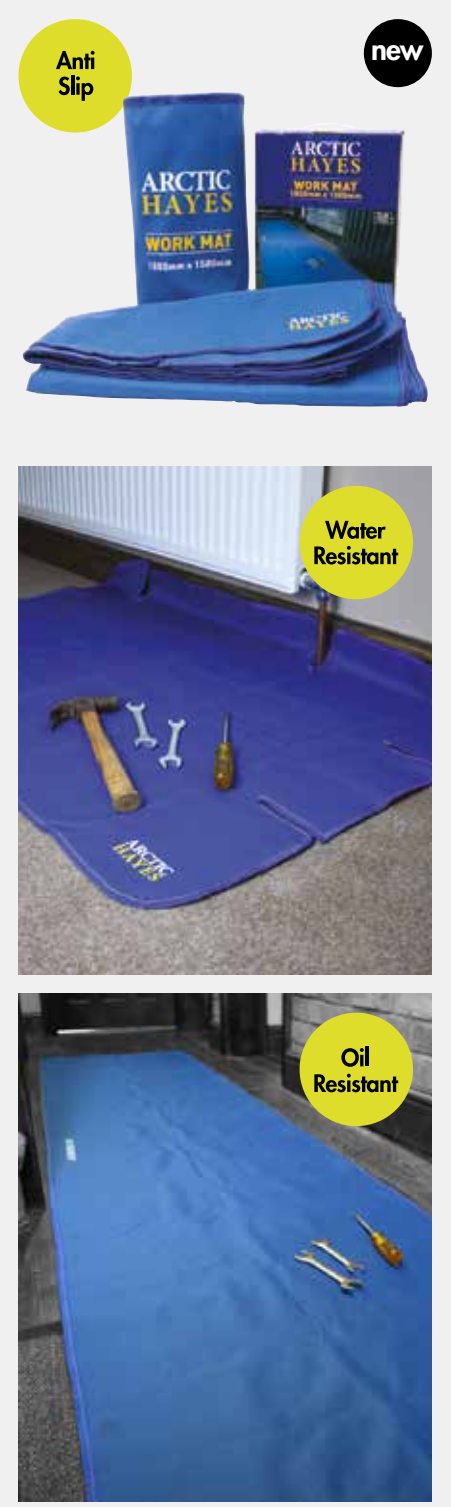
Arctic Access Panel

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)

APS150	Arctic Access Panel 150 – 230mm
APS200	Arctic Access Panel 200 – 200mm
APS300	Arctic Access Panel 300 – 300mm

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)

WM1	1200 x 750mm
WM2	1800 x 850mm
WM3	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)

HFP1	600mm x 25m
new **HFP1-50M**	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)

CP1	600mm x 25m
new **CP1-50M**	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

445036M	Medium
A445036	Large
445036XL	XLarge

Plain Grip Gloves (6g)

Quantity – Box of 100
Dimensions – 241(h) x 125(w) x 65(d) mm

AHPGG6GM	Medium
AHPGG6GL	Large
AHPGG6GXL	XLarge

Diamond Grip Gloves (8g)

Quantity – Box of 50
Dimensions – 235(h) x 126(w) x 65(d) mm

AHDGG8GM	Medium
AHDGG8GL	Large
AHDGG8GXL	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)

MFCBOX5	Box of 5
MFCBOX12	Box of 12
MFCROLL30	Roll of 30
MFCBOX50	Box of 50

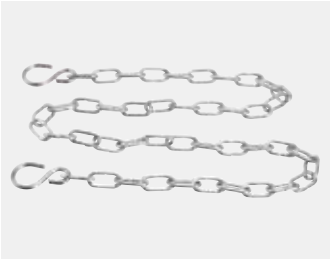
Pre-Packed Fittings

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

1½″ Poly Plug (Black) (Triangle)
Quantity – 2
Dimensions – 15(h) x 38(w) x 38(d) mm
200833-INS

1¾″ Poly Plug (Black) (Triangle)
Quantity – 2
Dimensions – 15(h) x 45(w) x 45(d) mm
200837-INS

1½″ + 1¾″ Poly Plug Kit (Black)
Quantity – 1 (1 of each Plug)
Dimensions – 15(h) x 90(w) x 120(d) mm
200839-INS

1½″ Plastic Basin Plug (White)
Quantity – 2
Dimensions – 21(h) x 38(w) x 38(d) mm
200842-INS

1¾″ Bath Plastic Plug (White)
Quantity – 2
Dimensions – 21(h) x 43(w) x 43(d) mm
200844-INS

1½″ 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)

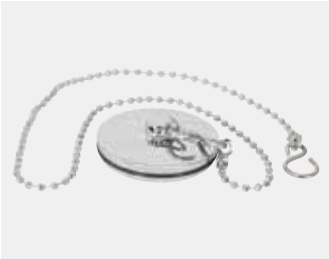
Quantity – 1
Dimensions – 22(h) x 68(w) x 68(d) mm

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

½" Plastic Piston Pack
Quantity – 2
Dimensions – 32(h) x 16(w) x 16(d) mm

306810-INS

½" HP Plastic Seat
Quantity – 5
Dimensions – 16(h) x 22(w) x 22(d) mm

306816-INS

½" Red Fibre Seating Washer (Float Valve)
Quantity – 5
Dimensions – 1.5(h) x 22(w) x 22(d) mm

306832-INS

½" 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	½"
306884-INS	¾"

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	½"
306888-INS	¾"

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	½"
306944-INS	5/8"
306946-INS	¾"

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	½"
306952-INS	¾"

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

½" Directional Air Vent + ½" 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

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)

324015-INS	8mm
324019-INS	10mm
324024-INS	12mm
324028-INS	15mm
324032-INS	22mm
324037-INS	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)

324118-INS	15mm
324122-INS	22mm
324122-INS10	22mm
324154-INS	¾″

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)

324634-INS	15mm x ½″ Flexible Tap Connector – 30cm
324636-INS	15mm x ½″ Flexible Tap Connector – 50cm
324643-INS	15mm x ¾″ Flexible Tap Connector – 30cm
324645-INS	22mm x ¾″ Flexible Tap Connector – 30cm

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 ½″
324656-INS	22mm x ¾″

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 ½″ Flexible Tap Connector – 30cm

Quantity – 2
Dimensions – 302(h) x 28(w) x 28(d) mm

324705-INS

15mm Pushfit x ¾″ 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 ½″ 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

½" Flexible Tap Fibre Washer
Quantity – 2
Dimensions – 2(h) x 20(w) x 20(d) mm

324790-INS

¾" Flexible Tap Rubber Washer
Quantity – 2
Dimensions – 2(h) x 24(w) x 24(d) mm

324795-INS

½" BS5412 Brass Headwork (Pair)
Quantity – 1
Dimensions – 150(h) x 150(w) x 24(d) mm

330135-INS

½" 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	⅜"
330915-INS	½"
330920-INS	¾"

Universal Top Hat Washer ½" + ¾"
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	1.¼"
340297-INS	1.½"

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	1.¼"
344255-INS	1.½"

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

1½" 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

½" 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

1½" Compression Syphon Nut

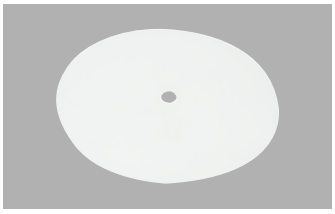
Quantity – 1
Dimensions – 17(h) x 57(w) x 57(d) mm

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 4.½"

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

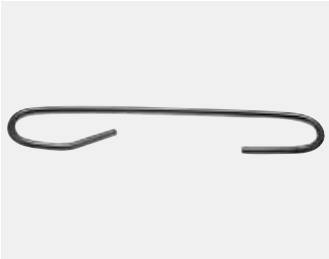
Quantity – 1
Dimensions – 180(h) x 150(w) x 40(d) mm

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	½″
348620-INS	¾″

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	½″
348917-INS	¾″

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	½″
348987-INS	¾″

3′ 6″ Micropoint Hose

Quantity – 1
Dimensions – 1066(h) x 36(w) x 25(d) mm

352020-INS

½″ 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

½″ Bayonet Socket (Angled)

Quantity – 1
Dimensions – 35(h) x 25(w) x 25(d) mm

352144-INS

⅛″ 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 0X 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)

390710-INS	15mm
390715-INS	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)

392442-INS	1.5m
392451-INS	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)

392446-INS	1.5m
392455-INS	2.5m

2.5m Outlet Hose

Quantity – 1
Dimensions – 2500(h) x 34(w) x 34(d) mm

392475-INS

Washing Machine Y Piece

Quantity – 1
Dimensions – 80(h) x 69(w) x 32(d) mm

392490-INS

Washing Machine Hose Washer

Quantity – 5
Dimensions – 2(h) x 24(w) x 24(d) mm

392495-INS

Plumbing Out Kit

Quantity – 1
Dimensions – Please request

392528-INS

17mm Washing Machine Outlet Hose Joiner

Quantity – 1
Dimensions – 67(h) x 28(w) x 28(d) mm

392530-INS

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)

394005-INS	½″
394010-INS	¾″

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)

394030-INS	½″
394035-INS	¾″
394040-INS	1″

1¼″ Plastic Sink Washer

Quantity – 5
Dimensions – 1.5(h) x 57(w) x 57(d) mm

394045-INS

1½″ Plastic Washer

Quantity – 2
Dimensions – 1.5(h) x 86(w) x 86(d) mm

394050-INS

1½″ Rubber Pump Gaskets

Quantity – 2
Dimensions – 3(h) x 43(w) x 43(d) mm

305431-INS

PTFE Tape 12mm x 12m Reel (WRAS)

Quantity – 1
Dimensions – 20(h) x 57(w) x 57(d) mm

INST61427N

PTFE Tape 12mm x 5m Reel (Gas)

Quantity – 1
Dimensions – 20(h) x 57(w) x 57(d) mm

INST61425T

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

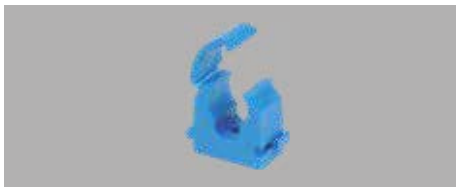
Colour – Red, Blue, Black, Yellow or Black
Quantity – 100 Pack, 50 Pack (P629)

Red	
P620	15mm
P621	22mm

Blue	
P622	15mm
P623	22mm

Yellow	
P624	15mm
P625	22mm

Black	
P627	15mm
P628	22mm
new 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

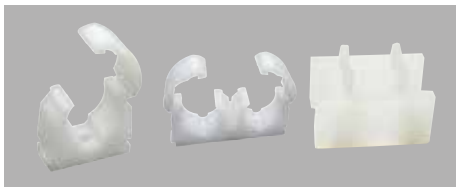
COLD Blue	
P502	15mm
P503	22mm

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	new P103	15mm
P101	22mm	new P104	22mm
P102	28mm		



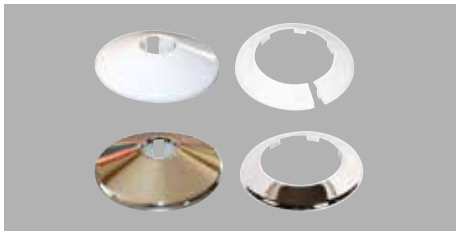
10, 15, 22, 28mm Hinged Clip

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

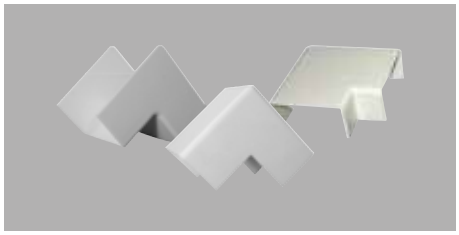


10, 15, 22, 28, 35, 42, 110mm Collar Clip

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

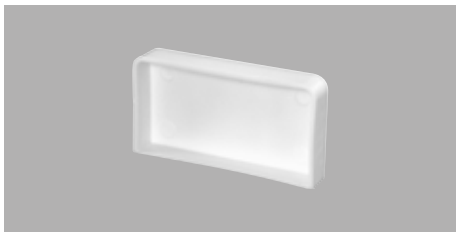
Colour – White
Quantity – 1 Pack

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

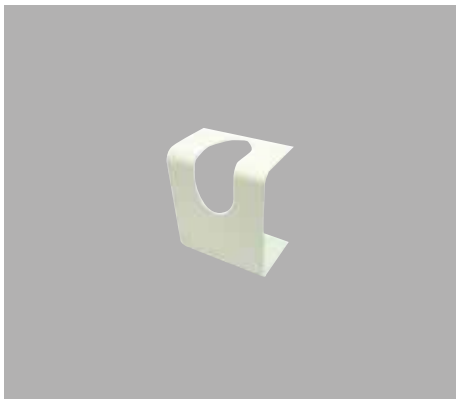


10, 15, 22, 28mm Stop End Clips

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

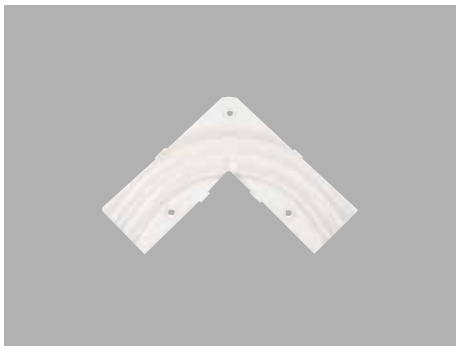
Top Access	
T628	15mm
T629	22mm

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

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