

# Hydronic UFH

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## Our frequently ordered Hydronic UFH products...



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(Hydraulic Balancing)**  
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**Blending Valve  
+ Pump Pack  
(Bastion Pump)**  
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**Single Room  
Control Pump Pack  
(Wilo Pump)**  
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# Underfloor Heating Designs Made Simple

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

**Heat Load Calculations**

Simplify your heat load calculations in alignment with industry standards

**System Sizing**

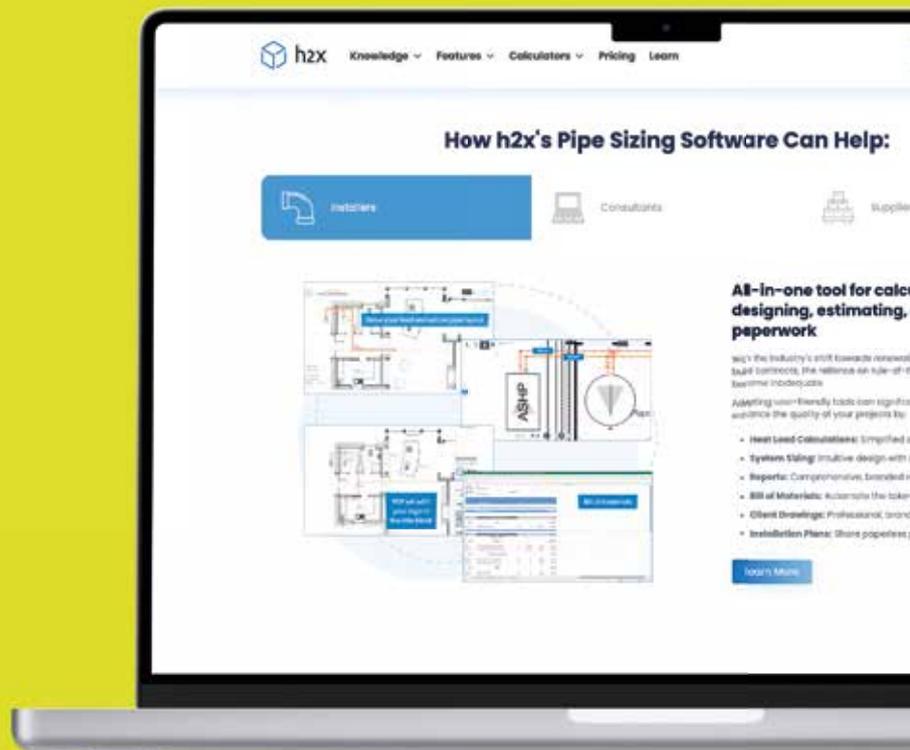
Automatically generate loop layouts with required pipe spacings

**Reports + Client Drawings**

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

**Bill of Materials**

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



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

# Manifold

## Guarantees

**5** Years  
on Stainless Steel Manifold

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

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

#### Features + Benefits

Pre-fitted mounting bracket

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

Built-in pressure gauge

Balancing valve on each return point

Flow meter on each flow point with shut-off function

Fill and drain point on flow and return

Manual air vent

Independent setting for each circuit

Suitable for water or glycol (Maximum 30% glycol)

6 Bar maximum working pressure

5°C to 70°C working temperature range

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

50mm centres on flow/return connections

Left or Right Inlet/Outlet

0–5L/min flow meter scale

G1" F (ISO 228-1) main connections

G¾" M (ISO 228-1) outlets

Finish – Stainless Steel

Seals – EPDM

Handle – ABS

Springs – Stainless Steel

Brackets – Chrome plated steel

Adaptors – Brass



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

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

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

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

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

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

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

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

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

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

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



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

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

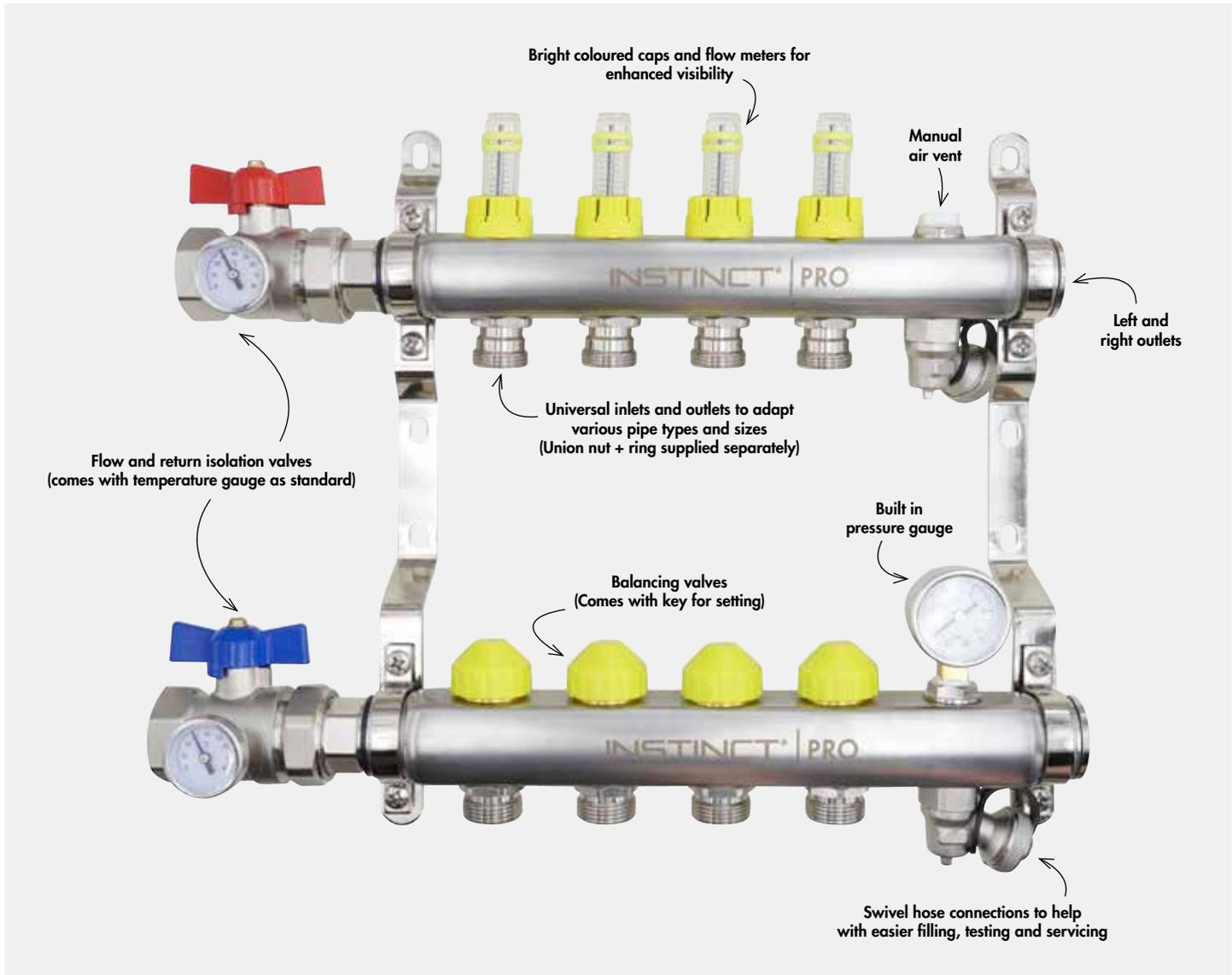
No. of Outlets	1	2	3	4	5	6	7	8	9	10	11	12
Kv	1.02	1.65	2.23	2.55	2.81	2.97	3.13	3.26	3.34	3.38	3.42	3.50

**Guarantees**

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

# Manifold

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



**230V UFH Actuator**

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

**Features + Benefits**

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

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

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



**Specification**

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



# Blending Valve + Pump Pack

## Guarantees

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



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

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

#### Features + Benefits

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

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

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

Left or right connections (Reversible)

Suitable for water or glycol (Maximum 30% glycol)

**35°C to 60°C** temperature range

**6 Bar** maximum working pressure

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

**6m** maximum delivery head

**3.0m³/h** maximum volume flow

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

Weight – 3.7kg



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

UFH Blending Valve + Pump Pack (Bastion Pump)



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

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

#### Features + Benefits

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

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

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

Left or right connections (Reversible)

Suitable for water or glycol (Maximum 30% glycol)

**35°C to 60°C** temperature range

**6 Bar** maximum working pressure

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

**6.3m** maximum delivery head

**2.6m³/h** maximum volume flow

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

Weight – 1.87kg



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

UFH Blending Valve + Pump Pack (Wilo Pump)

**Guarantees**

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

# Single Room Control Pump Pack



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

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

**Features + Benefits**

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

Flow Temperature Thermostat

Integral ball valves for connecting/isolating the primary heating system

Adjustable thermostatic blending valve

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

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

**35°C to 60°C** temperature range

**10 Bar** maximum working pressure

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

**6m** maximum delivery head

**3.0m³/h** maximum volume flow

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

Weight – 4.265kg



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

UFH Single Room Control Pump Pack (Bastion Pump)



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

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

**Features + Benefits**

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

Flow Temperature Thermostat

Integral ball valves for connecting/isolating the primary heating system

Adjustable thermostatic blending valve

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

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

**35°C to 60°C** temperature range

**10 Bar** maximum working pressure

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

**6.3m** maximum delivery head

**2.6m³/h** maximum volume flow

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

Weight – 2.43kg



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

UFH Single Room Control Pump Pack (Wilo Pump)

## Replacement Pumps



### Bastion Pump

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



### Wilo Pump

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

## Pipes

Guarantees

**50** Years  
on UFH Pipes

## PERT EVOH Lightweight + Ultra-Flexible Pipe

**PERT EVOH Pipe (12mm – 3 Layers)**

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

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

Finish – Yellow

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

**PERT EVOH Pipe (16mm – 5 Layers)**

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

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

Finish – Yellow

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

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

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

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

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

Finish – White

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

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

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

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

Finish – White

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

**Guarantees**

**2** Years  
on UFH Accessories + Ancillaries

# Accessories + Ancillaries

## Standard Clip Gun + Tracker Clips

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

**Features + Benefits**

For use with **16mm pipe**

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

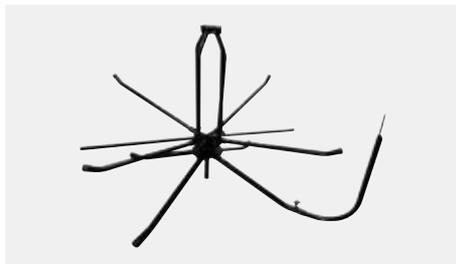
<b>IN-CLG01</b>	Standard Clip Gun
<b>ZL-CL01</b>	40mm Tracker Clips
<b>ZL-CL02</b>	60mm Tracker Clips



## Aluminium Spreader Plate

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

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



## Premier Uncoiler

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

**IN-1235E**



## Pressure Test Pump

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

**IN-RP-50**



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

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

**ZL-RE01**



## Eurocone Fittings

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

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



## Plastic Elbow

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

**ZL-PE01**



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

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

**IN-CR02**

## Tools + Spares

Guarantees

**2** Years  
on UFH Tools + Spares

new

**MLCP Calibration Beveling Set**

For multilayer composite and Pex pipe up to Ø32mm.

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

Large opening for removing pipe chips

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

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

Ø16, 20, 25, 32mm deburring range

Quantity – 1

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

ZL-1236

new

**Pipe Cutter**

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

Quantity – 1

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

IN-PA01

new

**Flow Meter Spare**

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

Quantity – 1

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

IN-1211

new

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

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

Quantity – 1

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

ZL-4012

new

**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

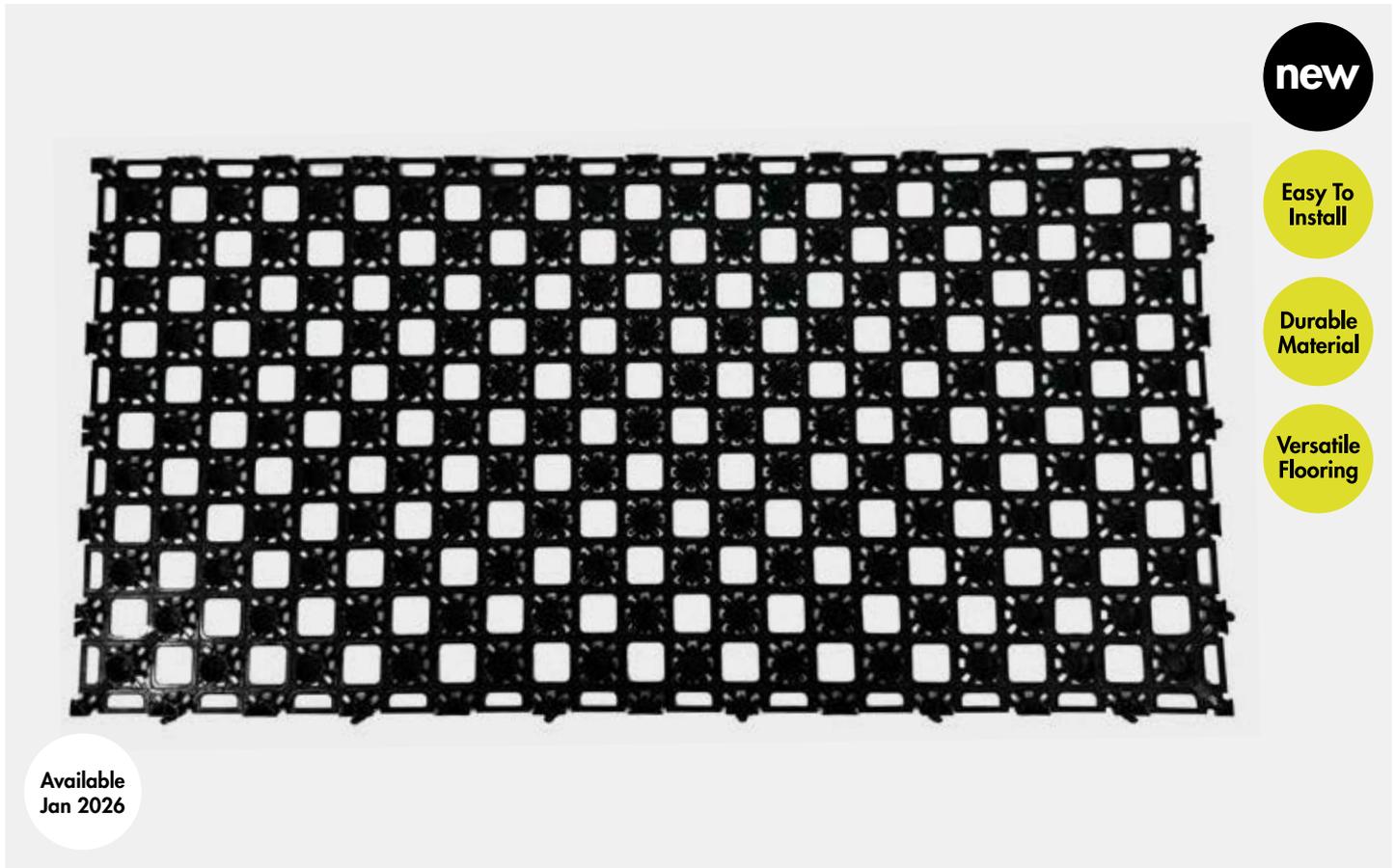
ZL-4130B

**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

**With Flowing Screed**

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

**Direct on subfloor –**

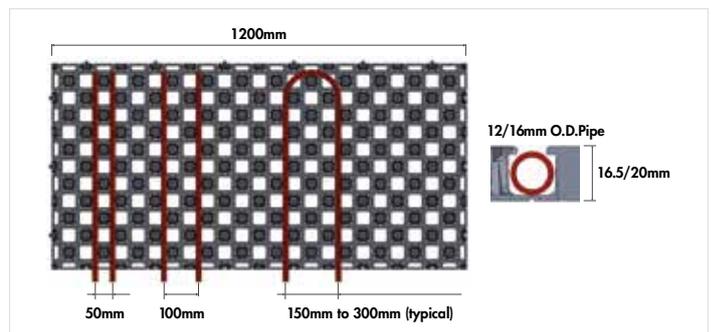
Tiles/Wood 20–25 mm, LVT/Linoleum/Carpet 25–30mm

**Over Insulation Boards –**

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



Ensures even heat distribution and faster system response



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

# Floor Boards



## Fibre Reinforced Gypsum Board

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

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

### Features + Benefits

Efficient and fast transfer of heat

Suitable for all types of 12 and 16mm pipework

High heat retention

Can be installed as an acoustic system on separating floors

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

**0.32 Wmk** thermal conductivity

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

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

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

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

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

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

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

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

INHEATS018800 800 x 600 x 18mm for 12mm Pipes

INHEATS0251000 1000 x 500 x 25mm for 16mm Pipes

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

INHEATSR0181200 1200 x 600 x 18mm for 12mm Pipes

INHEATSR0251000 1200 x 500 x 25mm for 16mm Pipes

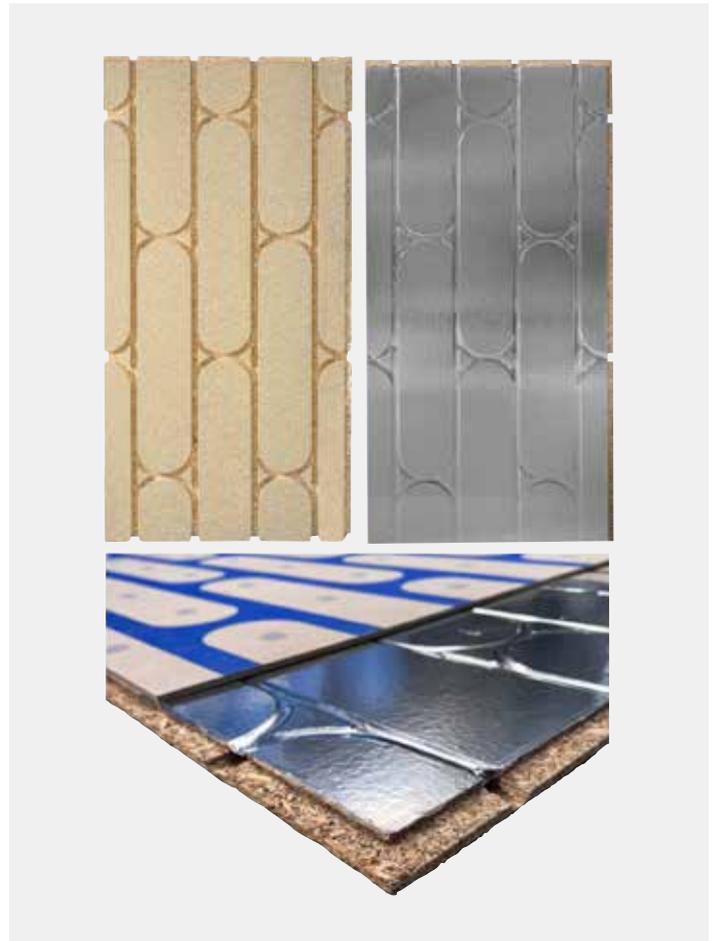
### Grooved UFH Board (with Serpentine Loops + 3 Cross Runs)

INHEATRU0181200 1200 x 600 x 18mm for 12mm Pipes

### Fully Circled End Return UFH Board

INHEATC018600 600 x 600 x 18mm for 12mm Pipes

INHEATC025500 500 x 500 x 25mm for 16mm Pipes



## High Performance Chipboard

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

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

### Features + Benefits

High heat output, with foil facing and pipe centre options

Suitable for all types of 12 and 16mm pipework

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

Structurally tested to comply with BS:EN1195

**0.6%** moisture absorption

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

### Plain Faced UFH Chipboard

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

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

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

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

### 50mu Foil Faced UFH Chipboard

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

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

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

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

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

INBACKER0061200900PRINT 1200 x 900 x 6mm

# Floor Boards



## Routed Extruded Polystyrene Board (XPS300)

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

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

### Features + Benefits

High thermal performance, with an option of foil facing

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

Ultra high compressive strength and high heat transfer

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

**0.034 Wmk** thermal conductivity

**300kPa** compressive strength

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

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

### 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)16/150FF-100** 1200 x 600 x 20mm for 16mm Pipes

# Floor Boards

new



## EPS Board

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

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

### Features + Benefits

High compressive strength with an option of aluminium foil facing

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

Excellent thermal resistance

Can be used as part of an acoustic floating floor system

**0.033 Wmk** thermal conductivity

**400kPa** compressive strength

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

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

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

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

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

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

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

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

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

new



## CEM XPS Board

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

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

### Features + Benefits

Efficient and fast transfer of heat

Suitable for all types 12 and 16mm pipework

High compressive strength

Ideal for tiled flooring to be laid directly over

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

**0.033 Wmk** thermal conductivity

**300kPa** compressive strength

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

### Grooved + Straight Heating Panel

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

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

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

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

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

### Straight Grooved Flow + Return Highway Panel

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

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

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

### Half Circled + Triangle Fix Board

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

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

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

# Floor Boards

Quick To Install

new



## Thermal Perimeter Edge Strips

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

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

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

### Features + Benefits

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

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

Available in multiple widths and lengths

Will improve the overall thermal performance and efficiency of floors

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

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

**Extruded closed cell polyene foam** material

Finish – Blue and Grey  
Quantity – 1

<b>Bond PVC Apron</b>	
<b>INDGET0510050</b>	5mm x 100mm x 50m rolls
<b>Bond PVC Apron + Self Adhesive Backing</b>	
<b>INDGET0815025ADH</b>	8mm x 150mm x 25m rolls
<b>Bond PVC Apron + Self Adhesive Backing – Low Profile Edge Strip</b>	
<b>INDGET0510025SA</b>	5mm x 100mm x 25m rolls

Quick To Install

new



## Acoustic Edge Roll

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

### Features + Benefits

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

Available in multiple widths

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

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

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

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

**Extruded closed cell polyene foam** material

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

<b>INDGEA0510050</b>	5mm x 100mm x 50m
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Quick To Install

new



## Acoustic 'L' Shaped Flanking Strips

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

### Features + Benefits

White colour speeds up build times compared to other colour options

Isolate floating floor and prevent floors failing Part E sound testing

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

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

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

<b>INDGEL09032</b>	32mm x 32mm x 2000mm
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