UFH PIPE

# PERT-AL-PERT Multilayer (MLC) UFH Pipe

## 12, 15 and 16mm multilayer pipe with aluminium core.

A multilayer underfloor heating pipe with an aluminium core between inner and outer layers of PE-RT. The aluminium keeps oxygen out of the system and lets the pipe hold a bend where you put it.

CODES

MHP2-0912-80-W to MHP2-1216-500-W



01 · KEY FEATURES

### Why installers use it

- **Low memory.** It stays where you lay it and doesn't spring off the clips.
- **Oxygen-tight.** The aluminium layer protects the manifold, pump and boiler or heat pump.
- **Three sizes.** 12mm for overlay and low-profile panels, 15mm and 16mm for screed and routed boards.

IN THE BOX

1 coil of pipe, length as ordered

02 · SPECIFICATION

### Technical data

| | |
|---|---|
| Construction | PE-RT / adhesive / aluminium / adhesive / PE-RT |
| Sizes | 12mm, 15mm and 16mm |
| 16mm pipe | 16 x 2.0mm, bore 11.95mm (±0.1mm) |
| Min. bend radius (16mm) | 80mm |
| Weight (16mm) | 0.102kg/m |
| Operating (16mm) | Up to 60°C and 6 bar in normal use |
| Failure limits (16mm) | Min. 95°C and 10 bar |
| Thermal conductivity | 0.42 W/mK |
| Expansion | 0.025mm/mK |
| Standard | DIN EN ISO 21003 |

03 · QUESTIONS

### Asked by installers

**Which manifold connector do I need?**

A 3/4" Eurocone connector core that matches the pipe size, two per loop.

**Can I bend it by hand?**

Yes. It holds a bend. Use a bending spring or pipe bender for tight bends.

04 · SIZES AND CODES

## Pick the size, one code each.

11 options by size. Order by code.

| SIZE | CODE |
|---|---|
| 12mm x 80m | MHP2-0912-80-W |
| 12mm x 160m | MHP2-0912-160-W |
| 12mm x 240m | MHP2-0912-240-W |
| 15mm x 100m | MHP2-1115-100-W |
| 16mm x 50m | MHP2-1216-50-W |
| 16mm x 80m | MHP2-1216-80-W |
| 16mm x 100m | MHP2-1216-100-W |
| 16mm x 150m | MHP2-1216-150-W |
| 16mm x 200m | MHP2-1216-200-W |
| 16mm x 300m | MHP2-1216-300-W |
| 16mm x 500m | MHP2-1216-500-W |

05 · COIL SIZES

| PIPE | COILS |
|---|---|
| 12mm | 80m, 160m, 240m |
| 15mm | 100m |
| 16mm | 50m, 80m, 100m, 150m, 200m, 300m, 500m |

06 · GOOD TO KNOW

### How much pipe do I need?

Roughly 6.7m of pipe per m² at 150mm centres, 5m per m² at 200mm centres, or 10m per m² at 100mm centres. Then add the runs to and from the manifold. Or send us your plans and we'll design the loops for you.

07 · DESIGN HELP

### Send us your plans

For design help, send your plans to **sales@maxheatufh.com** or plan loops with **MaxHeatUFH ProLoop** at maxheatufh.com.

SCAN ME

**Watch how it works and fits**

Point your phone camera at the code to watch the video for this product.

DESIGN HELP, TRADE ACCOUNTS AND ORDERS

**sales@maxheatufh.com** **07539 499069**

WEB
maxheatufh.com

DELIVERY
Order by 12pm for next working day delivery