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

PRODUCT



01 · IN THE BOX

What you get

- 1 coil of pipe, length as ordered

02 · YOU WILL NEED

Tools and materials

- Pipe decoiler
- Pipe cutter and reaming tool
- Bending spring or pipe bender for tight bends
- Clips, clip rail or panels to suit the floor system
- Pressure test pump

03 · SAFETY

Before you start

- Installation should be carried out by a competent installer, in line with the system design and BS EN 1264.
- Wear gloves and eye protection when cutting pipe, handling metal plates or using hand tools.
- Release system pressure and let pipework cool before cutting into or disturbing any filled pipe.

04 · INSTALLATION

Fit it in 7 steps.

1. Check the loop lengths on the design and make sure the coil is long enough for the whole loop, including the run back to the manifold.
2. Set the coil on a decoiler so the pipe comes off straight, without twists.
3. **Start at the manifold flow, then lay the loop to the design centres.** Allow roughly 10m/m² at 100mm, 6.7m/m² at 150mm or 5m/m² at 200mm centres.
4. **Form bends by hand.** Use a bending spring or bender for tight bends, and keep the 16mm pipe to at least an 80mm bend radius.
5. Fix the pipe as you go with clips, clip rail or panels, then return to the same manifold port on the return bar.
6. Cut the ends square, ream them and connect with Eurocone cores matched to the pipe size.
7. Label each loop with its room and length, then fill, flush and vent each loop in turn.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- ☑ Pressure test before any screed or floor covering goes down, following BS EN 1264 and your system design.
- ☑ Check every joint and the whole visible run for damage.
- ☑ Record the test pressure, duration and result for the handover.

06 · CARE AND MAINTENANCE

Keep it working

- Keep coils out of direct sunlight until use.
- If a pipe is kinked, cut out the kink and join it with a press fitting outside the screed where possible.

07 · COIL SIZES

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

08 · 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.

09 · 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.

SCAN ME

Watch how it works and fits

Point your phone camera at the code to watch the video.

QUESTIONS ON SITE?

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DELIVERY
Order by 12pm for next working day delivery