MANIFOLDS & COMPONENTS

Auto-Balancing Stainless Steel UFH Manifold
2 to 12 port, dynamic balancing.

A stainless steel UFH manifold with dynamic auto-balancing valves on the return bar. Preset each circuit to its design flow with the setting key, and the valve holds that flow as other zones open and close. Ideal for heat pump systems.

CODES

MHMAB-1F-3/4x2 to MHMAB-1F-3/4x12

PRODUCT



01 · IN THE BOX

What you get

- Manifold with flow and return bars on galvanised brackets
- Flow meters, auto-balancing valves, air vents and fill/drain valves fitted

02 · YOU WILL NEED

Tools and materials

- Spirit level and drill
- Wall fixings
- Spanners
- Setting key (for the balancing valves)
- Pipe cutter and reaming tool
- 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.
- Isolate and drain down, or isolate with the manifold ball valves, before working on a filled system.
- Hot water and pressure can cause injury. Let the system cool and release pressure before opening any joint.

04 · INSTALLATION

Fit it in 6 steps.

1. Mount the manifold level on its brackets, central to the loops and accessible for service.
2. Fit 1" ball valves to the main connections.
3. Connect each loop with two Eurocone cores sized to the pipe: flow to the flow bar, return to the same port on the return bar.
4. Use the setting key to preset each return valve to the loop's design flow rate from the system design.
5. Fit thermal actuators to the M30 x 1.5 valves and wire them to the wiring centre.
6. Fill and flush each loop through the fill/drain valves until clear and air-free.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] Pressure test before screeding, never above the 6 bar maximum.
- [x] With the system running, check each flow meter matches the preset flow.

06 · CARE AND MAINTENANCE

Keep it working

- Do not exceed 70°C flow temperature.
- Check flow meter readings and system pressure yearly.

07 · ALSO NEEDED

Order with it

- Two 3/4" Eurocone connector cores per circuit, sized to your pipe
- 1" ball valves, sold separately
- Thermal actuators, sold separately

08 · QUESTIONS

Asked by installers

How do I set the flow rates?

Use the setting key on each return valve to preset the design flow for that loop. The flow meters let you check it.

Are ball valves and actuators included?

No. The 1" ball valves and actuators are sold separately.

09 · WORKS WITH

Parts that fit with it



Blending valve pump pack with Grundfos UPM3 Auto



Eurocone Connector Cores 3/4" (2 per circuit)

ALSO WORKS WITH

Heatmiser UH8 wiring centre | 1" ball valves (sold separately) | Thermal actuators (sold separately)

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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WEB
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DELIVERY
Order by 12pm for next working day delivery