PUMPS & CONTROLS

UFH Manifold Blending Valve 20 to 55°C

20 to 55°C valve unit, fit your own pump.

The valve-only version of our manifold blending valve unit: the same 20 to 55°C wax-capsule mixing valve as our pump packs, without a pump. Fit your own 130mm circulator with 1½" unions.

CODE

MH-BV55-VO

PRODUCT



01 · IN THE BOX

What you get

- Pre-assembled valve unit (no pump)
- Mixed flow temperature gauge, fitted
- Loose flow / return elbow

02 · YOU WILL NEED

Tools and materials

- 37mm A/F and 31mm A/F spanners
- Spanners for 3/4" fittings
- Digital thermometer
- Pressure test pump

03 · SAFETY

Before you start

- Isolate the electrical supply before working on a pump, actuator or valve head. A qualified electrician makes the final connection, to BS 7671.
- Close the isolating valves or drain down, and release the pressure, before opening any joint.
- Pumps, valves and pipework can be hot. Let the system cool before you handle them.

04 · INSTALLATION

Fit it in 8 steps.

1. Fit your pump between the valve unit and elbow with new gaskets, arrow pointing the way the water flows, and the motor shaft horizontal.
2. **The pack is set up for the right-hand side of the manifold.** For the left side, move the valve swivel nut across and turn the elbows 180° on the pump nuts, then retighten.
3. Fit the loose elbow on the flow or return so the primary pipes can come in from the side or from below.
4. Screw the 1" swivel joints evenly into the manifold's 1" female tappings with a 37mm spanner, holding the pack with a 31mm spanner. The O-rings seal, so do not overtighten.
5. Fix the manifold and pack firmly to the wall.
6. **Connect the primary flow to H and the return to R (3/4" female).** Fit ball valves on both so the pack can be isolated.
7. A qualified electrician connects the pump to the heating controls, to BS 7671.
8. Fill from the fill valve on the upper (flow) manifold bar, vent, then set the dial and the pump setting.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] Check every joint before filling, as nuts can loosen in transit. Pressure test with the manifold to BS EN 1264-4.
- [x] Run the system and check the gauge against the dial setting with a digital thermometer.

06 · CARE AND MAINTENANCE

Keep it working

- Check the mixed flow temperature and system pressure yearly.

07 · BLENDING VALVE DIAL

SETTING	1	2	3	4	5	6
Mixed flow	20°C	27°C	34°C	41°C	48°C	55°C

Set the dial to suit the floor build and the system design.

08 · QUESTIONS

Asked by installers

Which pumps fit?

Any 130mm circulator with 1½in unions, such as the Grundfos UPM3 Flex, Bastion or Wilo pumps we sell.

Will it fit my manifold?

It bolts straight onto the flow and return bars of a standard UFH manifold.

09 · WORKS WITH

Parts that fit with it



Grundfos UPM3 Flex 25-70 Circulation Pump



Bastion A-Rated UFH Circulating Pump



Wilo A-Rated UFH Circulating Pump 6m



3/4" Ball Valve Set for Blending Valve

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
maxheatufh.com

DELIVERY
Order by 12pm for next working day delivery