PUMPS & CONTROLS

UFH Non-Mixing Pump Set
Heat pump pack, fit your own pump.

The no-pump version of our non-mixing pump set, for manifolds on a heat pump or other low-temperature source. Fit your own 130mm circulator with 1½" unions, for example to match the heat pump maker's choice.

CODE

MH-NM-NOPUMP

PRODUCT



01 · IN THE BOX

What you get

- Pre-assembled pump set body (no pump)
- 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 to the set with new gaskets, arrow pointing the way the water flows, and the motor shaft horizontal.
2. **The set is built for the right-hand side of the manifold.** For the left side, loosen the pump nuts on the deflector plate, turn it 180° and retighten.
3. Fit the loose elbow on the flow or return to suit side or bottom primary entry.
4. Screw the 1" swivel joints evenly into the manifold's 1" female tappings with a 37mm spanner, holding the set with a 31mm spanner. Do not overtighten the O-ring joints.
5. Fix the manifold and pump set firmly to the wall.
6. Connect the heat pump flow to H and the return to R (3/4" female), with ball valves to isolate them.
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 the pump and choose 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] Check the flow temperature on the gauge matches the heat pump flow setting.

06 · CARE AND MAINTENANCE

Keep it working

- Check the flow temperature and system pressure yearly.

07 · QUESTIONS

Asked by installers

Which pump should I fit?

Any 130mm pump with 1½in unions. If your heat pump has a PWM output, the Grundfos UPM3 Flex can take its speed signal.

Do I need non-mixing or blending?

Non-mixing is for heat sources that already run at floor temperature, typically below 50 to 55°C, such as a heat pump. If your boiler runs hotter, use a blending valve pack instead.

08 · WORKS WITH

Parts that fit with it



Grundfos UPM3 Flex 25-70 Circulation Pump for PWM control from the heat pump



Bastion A-Rated UFH Circulating Pump



Wilo A-Rated UFH Circulating Pump 6m

ALSO WORKS WITH

- Grundfos UPM3 Flex 25-70 Circulation Pump (PWM from the heat pump)
- Heat pump connection

09 · JOB RECORD

Fill in on site, keep for the handover

Site / room

Installed by

Date

Test result

Notes

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