PUMPS & CONTROLS

UFH Non-Mixing Pump Set with Grundfos UPM3 Flex

Heat pump circulation pack, PWM-ready pump.

A pre-assembled non-mixing UFH pump set, also called a heat pump circulation pack, with a Grundfos UPM3 Flex 25-70 130. It is for heat pump and other low-temperature systems where no blending valve is needed, and the heat pump can set the pump speed by PWM.

CODE

MH-PUMPSET-NONMIX

PRODUCT



01 · IN THE BOX

What you get

- Pre-assembled pump set

02 · YOU WILL NEED

Tools and materials

- Spanners to suit the manifold and primary connections
- 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 7 steps.

1. Unpack and check every part is there and undamaged.
2. Offer the set up to the manifold flow and return connections and tighten the joints evenly.
3. Fix the manifold and pump set firmly to the wall.
4. Connect the heat pump flow and return, with ball valves to isolate the set.
5. Check the pump motor shaft is horizontal (within 5°).
6. A qualified electrician connects the pump power cable and, if used, the PWM signal cable from the heat pump, to BS 7671.
7. Fill and vent, choose the curve, then run the pump for two hours to clear the air.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] Check every joint before filling. Pressure test with the manifold to BS EN 1264-4.

06 · CARE AND MAINTENANCE

Keep it working

- Do not cover the pump control box with insulation. If the pump is in a cupboard or casing, keep the air around it below 70°C.
- A red LED means an alarm: blocked rotor, low supply voltage or an electrical fault. Isolate the power before you investigate.

07 · PUMP CURVES (GRUNDFOS DATA)

CURVE	MAX HEAD	MAX POWER (P1)
1	5m	33W
2	6m	39W
3	7m	52W

Supply 1 x 230V, 50Hz. Power 2 to 52W.

08 · QUESTIONS

Asked by installers

When should I use a non-mixing set?

When the heat source already runs at floor temperature, as most heat pumps do. If the boiler runs hotter than the floor needs, choose a blending valve pump pack .

Is it ready to fit?

Yes. It's supplied pre-assembled and bolts straight onto the manifold.

09 · WORKS WITH

Parts that fit with it



Auto-Balancing Stainless Steel UFH Manifold



2-Wire Thermal Actuators 230V



Grundfos Replacement Pump Power Cable (UPM3)

ALSO WORKS WITH

Heat pump connection

SCAN ME

Watch how it works and fits

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

QUESTIONS ON SITE?

sales@maxheatufh.com **07539 499069**

WEB
maxheatufh.com

DELIVERY
Order by 12pm for next working day delivery