PUMPS & CONTROLS

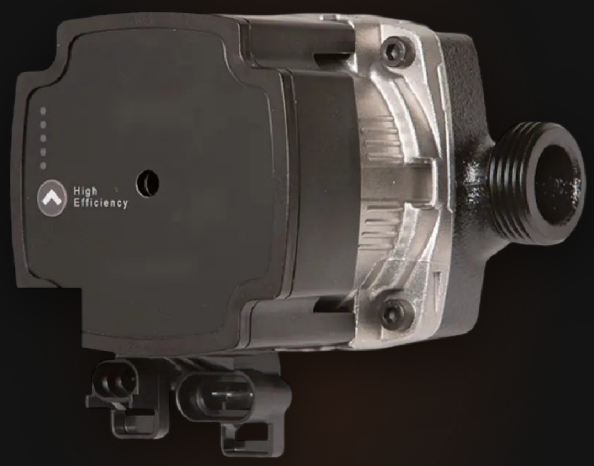
Grundfos UPM3 Flex 25-70 A-Rated Circulation Pump 130mm, PWM-ready, up to 7m head.

An A-rated Grundfos circulator for underfloor heating and domestic heating. A heat pump or boiler can set its speed by PWM signal; without a signal it runs at full speed on the curve you choose. It fits a standard 130mm pump position with 1½" unions.

CODE

MH-PUMP-UPM3F-2570

PRODUCT



01 · IN THE BOX

What you get

- Pump

02 · YOU WILL NEED

Tools and materials

- Spanners for 1½" unions
- New union gaskets
- Screwdriver

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 6 steps.

1. **Isolate the power.** Close the valves on both sides of the old pump, or drain down, before taking it out.
2. Fit the pump with new gaskets so the arrow on the body points the way the water flows. The motor shaft must be horizontal (within 5°).
3. If the terminals face the wrong way, take out the pump head screws, turn the control box in 90° steps and refit the screws.
4. **A qualified electrician connects the power cable, to BS 7671.** For speed control, plug in the PWM signal cable from the heat pump or boiler.
5. **Fill and vent the system.** Make sure the system can be vented at its highest point.
6. Press the button to choose the curve, then run the pump for two hours to clear the air.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] With power on, LED 1 lights green. Check the flow and return are warming and the pump is quiet.

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.
- Let the pump run for a while every day so it does not stick.

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

Will it fit my pump pack?

It has a 130mm body and 1½in unions, which is the pump size our valve-only UFH packs take.

Can my heat pump control it?

Yes, if the heat pump has a PWM output. Connect it to the pump's PWM signal connector. Without a signal it runs on the setting you choose on the pump.

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?

sales@maxheatufh.com **07539 499069**

WEB
maxheatufh.com

DELIVERY
Order by 12pm for next working day delivery