PUMPS & CONTROLS

Single Room UFH Mixing Pump Pack with Grundfos UPM3 Flex

One zone, PWM-ready Grundfos pump.

A pre-assembled single zone pump and temperature control unit with a Grundfos UPM3 Flex 25-70 130. It mixes the water down to floor temperature for one zone, so you can run a single room of UFH without a full manifold system.

CODE

MH-PUMPSET-SINGLE-MIX

PRODUCT



01 · IN THE BOX

What you get

- Pre-assembled pump and mixing unit

02 · YOU WILL NEED

Tools and materials

- Drill and wall fixings
- Spirit level
- Spanners
- Digital thermometer

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. Choose a wall position with room for the pipework and for servicing.
2. Fix the unit level to the wall, with the pump motor shaft horizontal (within 5°).
3. Connect the primary flow and return from the boiler or heat pump circuit.
4. Connect the UFH loop flow and return.
5. A qualified electrician connects the pump, the thermostat and, if used, the PWM signal, to BS 7671.
6. Fill and vent, set the mixing temperature, choose the pump curve and run the pump for two hours to clear the air.

05 · TESTING AND COMMISSIONING

Test, check, then hand over

- [x] Pressure test the loop before screeding, to BS EN 1264-4.
- [x] Check the mixed flow with a digital thermometer.

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

Is this the same as the ESBE single room pack?

Both use the Grundfos UPM3 Flex. The ESBE pack has an ESBE valve with built-in bypass and a 35 to 60°C range. Ask us if you want to compare them for your job.

Can the boiler control the pump?

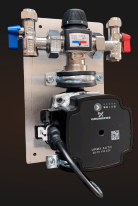
Yes, if the boiler or heat pump has a PWM output. The UPM3 Flex accepts a PWM speed signal.

09 · WORKS WITH

Parts that fit with it



Grundfos Replacement Pump Power Cable (UPM3)



ESBE Single Room Pack with Grundfos UPM3 Flex (ESBE valve version)

ALSO WORKS WITH

Heatmiser DS1 Thermostat · UFH pipe · ESBE Single Room Pack with Grundfos UPM3 Flex

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