PUMPS & CONTROLS

UFH Manifold Blending Valve Pump Pack 20 to 55°C with Grundfos UPM3 Auto

Self-setting Grundfos pump, 20 to 55°C.

A pre-assembled blending valve pump pack with a Grundfos UPM3 Auto 25-70 130, which uses AUTOADAPT to set itself to the system. The wax-capsule valve mixes primary flow with return water to hold the floor at 20 to 55°C, and the whole unit bolts onto the manifold.

CODE
MH-BV55-UPM3A



01 · KEY FEATURES

Why installers use it

- **Self-adjusting pump.** AUTOADAPT, plus proportional pressure, constant pressure and constant curve settings.
- **Up to 7m head.** From the Grundfos UPM3 Auto 25-70.
- **Low-temperature ready.** 20 to 55°C suits heat pumps and boilers.
- **Arrives pre-assembled and tested.** Ready to bolt to the manifold.

IN THE BOX

- Pre-assembled valve and pump unit
- Mixed flow temperature gauge, fitted
- Loose flow / return elbow
- Pump with 1m 3-core lead, pre-connected

02 · SPECIFICATION

Technical data

Mixed flow temperature	20 to 55°C, adjustable
Valve	Thermostatic wax capsule, no wiring
Valve rating	Kvs 3.4, up to about 18kW / 220m² of floor
Pressure	10 bar max static, 3 bar max differential
Max temperature	95°C
Manifold connections	2 x 1" BSP male swivel joints, O-ring sealed
Primary connections	2 x 3/4" BSP female, side or bottom entry
Body	Nickel-plated brass
Overall size	About 290 x 150 x 140mm, without the loose elbow
Pump	Grundfos UPM3 Auto 25-70 130, 7m, 2 to 52W
Mounting	Manifold flow and return bars
Max system pressure	10 bar

03 · DESIGN HELP

Send us your plans

For design help, send your plans to **sales@maxheatufh.com** or plan loops with **MaxHeatUFH ProLoop** at maxheatufh.com.

04 · ORDER CODE

MH-BV55-UPM3A.

One code for this product. Check the specification on page 1 before you order.

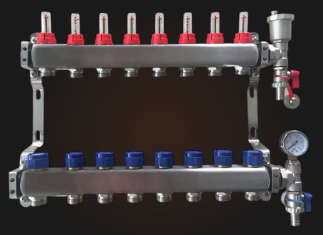
05 · BLENDING VALVE DIAL

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.

06 · WORKS WITH

Complete the system



Dualmix Stainless Steel Manifold Assembly



3/4" Ball Valve Set for Blending Valve



Pressure / Temperature Gauge for UFH Mixing Unit



Grundfos Replacement Pump Power Cable (UPM3)

07 · FITTING AT A GLANCE

Full steps in the install manual

1. Unpack and check every part is there and undamaged. Decide which side of the manifold the pack will sit.
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.

08 · QUESTIONS

Asked by installers

Does the blending valve need wiring?

No. It's a thermostatic wax-capsule valve, so only the pump needs power.

Auto or Flex: which Grundfos pack?

Choose the Auto if you want the pump to set itself. Choose the Blending Valve Pump Pack with Grundfos UPM3 Flex if your heat source will control the pump by PWM.

SCAN ME

Watch how it works and fits

Point your phone camera at the code to watch the video for this product.

DESIGN HELP, TRADE ACCOUNTS AND ORDERS

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WEB
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DELIVERY
Order by 12pm for next working day delivery