PUMPS & CONTROLS

# Single Room UFH Mixing Pump Pack

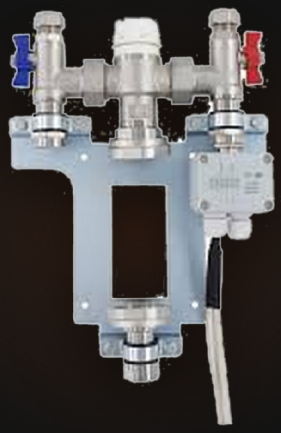
## One room, 35 to 60°C, fit your own pump.

The valve-only version of our standard single room pack: the 35 to 60°C thermostatic mixing valve, primary isolation valves and a pre-wired pump terminal box, without a pump. Fit your own 130mm circulator with 1½" unions.

CODE

**MH-SR-VO**

PRODUCT



01 · IN THE BOX

### What you get

- Pre-assembled valve pack on its bracket (no pump)
- Allen key for the valve cap

02 · YOU WILL NEED

### Tools and materials

- Drill, masonry bit and wall plugs
- Spirit level
- Spanners
- Allen key (supplied, for the valve cap)
- Digital thermometer
- New pump gaskets

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 with new gaskets, arrow pointing the way the water flows, and connect it to the pre-wired terminal box.
2. **Choose a wall with room for the pipework and for servicing.** Mount it level with the terminal box at the top, or upright. Never on the floor or with the pump shaft vertical.
3. Mark the fixing holes through the bracket, drill and plug the wall, and screw the pack in place.
4. **Connect the UFH loop to the pack.** If the floor is going to be screeded first, fill and pressurise the loop through the isolation valves and lock them off.
5. Connect the primary flow and return from the radiator or boiler circuit to the isolation valves. Make sure air can be vented to protect the pump.
6. A qualified electrician wires the pack from a 3A fused spur next to it, to BS 7671. If you fit a room thermostat, remove the link in the terminal box.
7. Once screed drying is finished, set the valve: about 40 to 45°C for screeded floors, 55 to 60°C for timber floors.
8. To adjust, take the cap screw out with the Allen key and turn the spindle (clockwise cooler). Check the outlet with a digital thermometer, then refit and lock the cap.

05 · TESTING AND COMMISSIONING

## Test, check, then hand over

- [x] Pressure test the loop before screeding, to BS EN 1264-4.
- [x] Floor surface: no more than 29°C (35°C in bathrooms), or 27°C under timber and laminate.

06 · CARE AND MAINTENANCE

## Keep it working

- Check the valve performance once a year against the commissioning reading.
- If the valve becomes sluggish, isolate it, strip and clean it, lightly grease the O-rings with WRAS-approved silicone grease, then reset and test.

07 · QUESTIONS

## Asked by installers

**Which pumps fit?**

Any 130mm pump with 1½in unions, including the Bastion, Wilo and Grundfos UPM3 Flex pumps we sell.

**How is this different from the ESBE valve-only pack?**

The ESBE pack uses an ESBE valve with built-in bypass and comes on its own wall back plate.

08 · WORKS WITH

## Parts that fit with it



Bastion A-Rated UFH Circulating Pump



Wilo A-Rated UFH Circulating Pump 6m



Grundfos UPM3 Flex 25-70 Circulation Pump



ESBE Single Room UFH Mixing Pump Pack (Valve Only) (ESBE version)

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