

Mixer control unit set TT-FWM

Suitable for:



(Delivery scope only control unit set, without ball valves)

ORDER NO.

5209 Fix. setpoint mixer control unit TT-FWM

The fixed-setpoint mixer control unit set TT-FWM is a pre-assembled, leak-tested unit for the constant temperature control of water-bearing panel heating systems. With the integrated thermal mixing valve, the supply temperature can be continuously adjusted between 35 °C and 60 °C – regardless of changing return temperatures. The return flow is added automatically and so ensures an even, energy-efficient heat distribution.

- **Temperature range:** max. 90 °C, temporary up to 110 °C.
- **Pump:** High-efficiency pump HE 15-60/130.
- **Discharge height and volume:** max. 6 m, max. 3,3 m³/h.
- **System pressure:** max. 6 bar.
- **K_{vs} value:** 2,5 m³/h.
- **Mixing valve:** ATM 563, setting range 35 – 60 °C.
- **Connections:** Boiler side G1" ext. thr., manifold side G1" ext. thr.
- **Compact design:** W 200 mm x H 370 mm x D 88 mm.
- **Protection class and voltage:** IP 44 (EN60529), AC 230 V, 50 Hz.

The delivery includes a pre-assembled fixed-value pump group with thermal mixing valve, a HE 15-60/130 high-efficiency pump, a mixing valve cover with visual scale and sealing option, eccentric screw connections for flexible connection to the heating circuit manifold and a thermometer. The unit is delivered securely packaged including installation instructions.

The TT-FWM mixer control unit set is ideal for constant temperature control of water-bearing panel heating systems. The integrated mixing valve reliably regulates the supply temperature to the desired level - perfect for the use in new buildings and renovations.



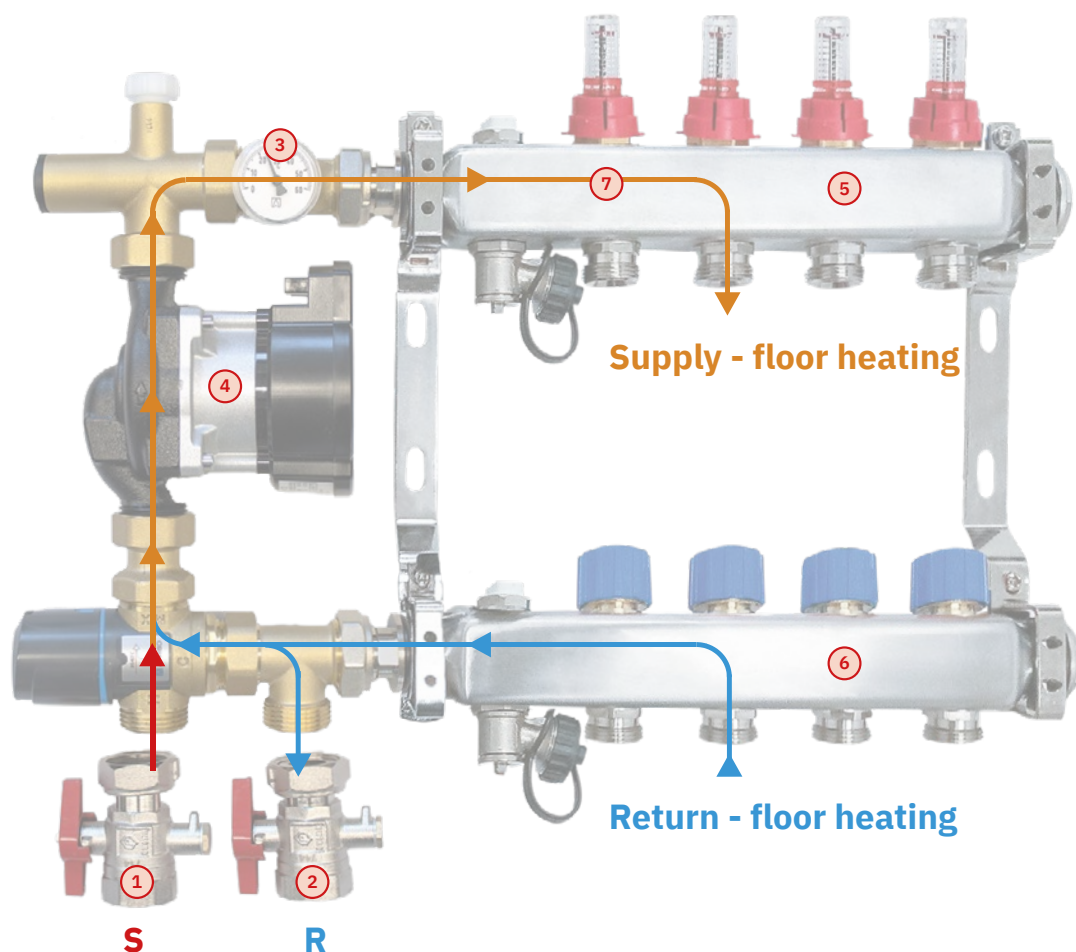
Pump setting (ex work CP2)

Differential pressure constant (Δp -c):

The differential pressure setpoint H is kept constant at the set differential pressure setpoint over the permissible flow rate range up to the maximum characteristic curve. We recommend this type of control for underfloor heating circuits.

Hydraulic: passive

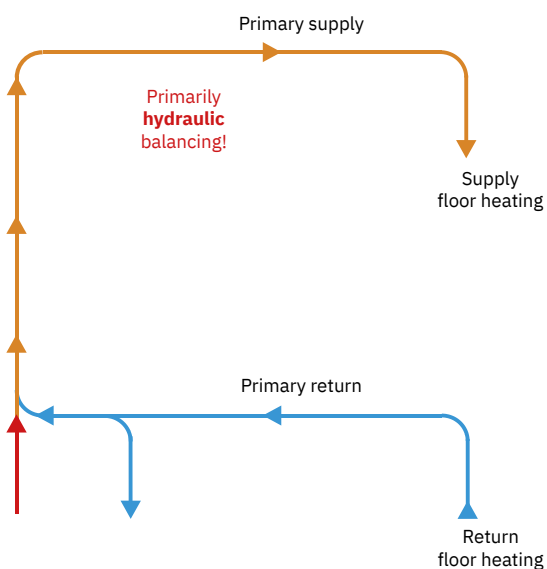
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FLOW PATHS

Hydraulic: passive



SCHEMATIC

1	Ball valve - Supply
2	Ball valve - Return
3	Thermometer
4	Heating pump
5	Floor heating manifold - Supply
6	Floor heating manifold - Return
7	Mounting point STB-A



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Ball valve set G1" for TT-FWM