

# 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 m<sup>3</sup>/h.
- **System pressure:** max. 6 bar.
- **K<sub>vs</sub> value:** 2,5 m<sup>3</sup>/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.



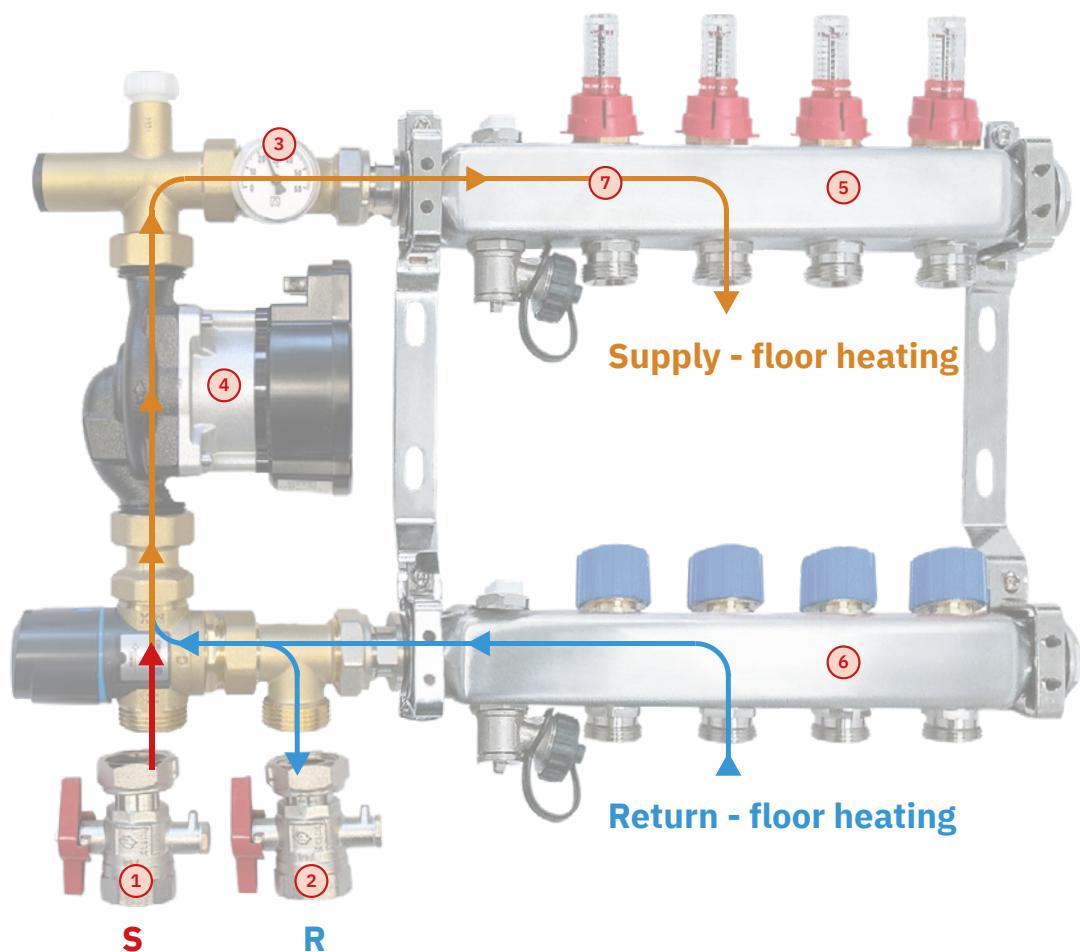
## Pump setting (ex work CP2)

### Differential pressure constant ( $\Delta p$ -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

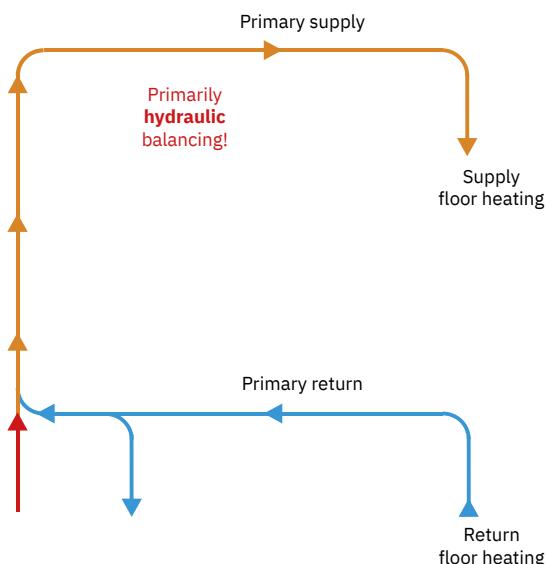
# Mixer control unit set TT-FWM



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

## 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



## ORDER NO.

5208 Ball valve set G1" for TT-FWM