

Compact control unit TT-R2

Suitable for:



(Delivery scope only control unit, without thermostat)

ORDER NO.

5206 Compact control unit TT-R2

The TT-R2 compact control unit has been specially developed for controlling underfloor heating systems in the radiator heating circuit. It enables efficient control of the heating with a high-efficiency pump and integrated safety temperature limiter.

- † **Manifold connection:** G1" external thread for manifold type VA.
- † **Pump:** High-efficiency pump HE 15-60/130.
- † **Shut-off:** Ball valves DN25.
- † **Supply:** Balancing and shut-off fitting DN20 G $\frac{3}{4}$ " internal thread.
- † **Return:** Pre-adjustable valve DN20, G $\frac{3}{4}$ " internal thread, connection thread M30x1,5 mm for thermostat TT-MTWZ-M, actuator retrofittable, K_{vs} 2,74.
- † **Connections:** G $\frac{3}{4}$ " internal thread.
- † **Compact design:** Length of 230 mm.

The delivery includes a supply and return valve, a high-efficiency pump, two ball valves G1", screw fittings for connection to the manifold, a safety temperature limiter (STB-A) and two thermometers, packed in a box with installation instructions.



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

FIXED SETPOINT CONTROL UNIT/THERMOSTAT TT-MTWZ-M



(Delivery scope only thermostat)

TEMPERATURE SETTINGS

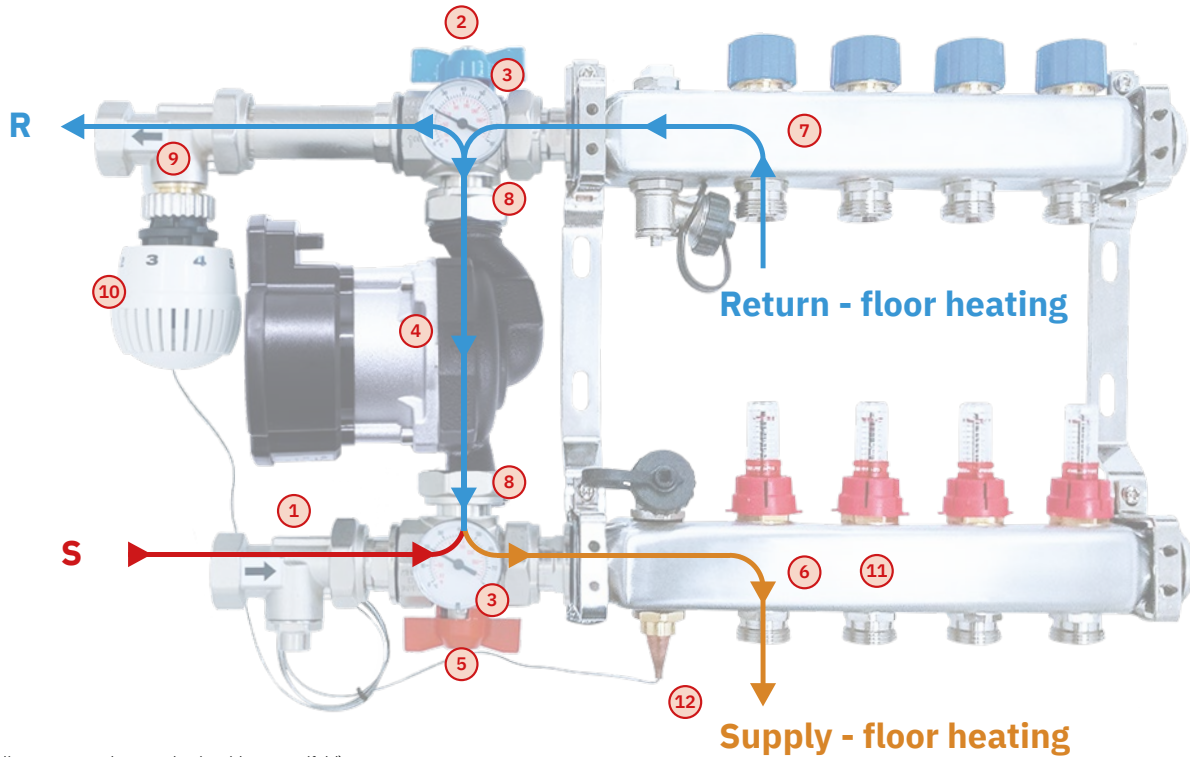
Scala	2	3	4	5	6	7
Temperature	20 °C	30 °C	40 °C	50 °C	60 °C	70 °C

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3025602 Thermostat TT-MTWZ-M

Thermostat with loose sensor for control unit
 Temperature range 20-70 °C
 Connection with union nut M30x1,5 mm
 incl. immersion sleeve and clamping band

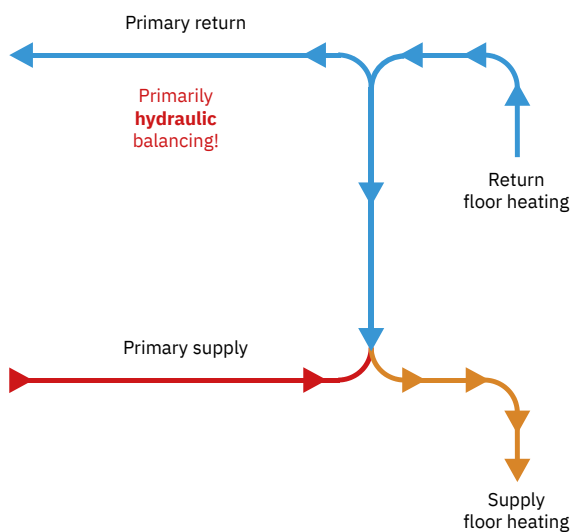
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(Delivery scope only control unit, without manifold)

FLOW PATHS

Hydraulic: passive



SCHEMATIC

1	Balancing and shut-off fitting DN20 - Primary supply
2	Ball valve - Return
3	Thermometer
4	Heating pump
5	Ball valve - Supply
6	Floor heating manifold - Supply
7	Floor heating manifold - Return
8	Backflow preventer (2x)
9	Valve DN20 - Primary return
10	Thermostat TT-MTWZ-M
11	Mounting point STB-A
12	Immersion sleeve for fixed setpoint control unit TT-MTWZ-M