

# FLOORFIX COMPACT

Underfloor heating control set for flush mounting



## FLOORFIX COMPACT

### Components and structure

HERZ FLOORFIX COMPACT 1 **8100** 30 is an installation set for flush mounting with an EPP installation box and a white cover plate for temperature control of surfaces using a thermostatic valve and return temperature limiter.

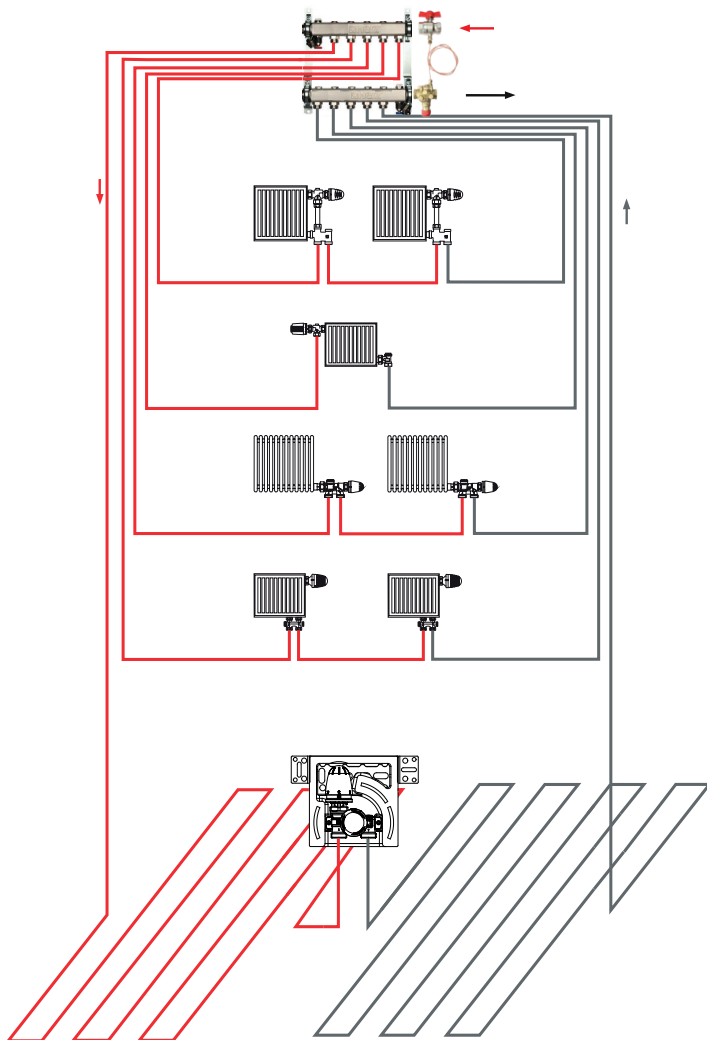
HERZ FLOORFIX COMPACT is also equipped with a vent valve. The enclosed HERZ design thermostatic head MINI 1 **9200** 60 has a setpoint setting range between 6 °C and 28 °C for room temperature control. The return temperature limiter MINI GS 1 **9201** 06 that is already installed is delivered with a set value of 45 °C. The return temperature limiter can be set between 25 °C and 45 °C for the medium temperature control of the underfloor heating. Depending on technical necessity and at one's own discretion, the blocking pins of the return temperature limiter can be loosened and repositioned if necessary in order to limit or expand a specific setpoint range. A temperature setting above 45 °C is not recommended!

### Functionality

The HERZ FLOORFIX COMPACT enables individual room control via surface heating with simultaneous return temperature limitation. Before the valve has heating water flow through it, half of the underfloor heating circuit to be controlled should have flow through. The flow of the heating medium is regulated via the HERZ thermostatic head by operating the HERZ TS-90 thermostatic valve built into the FLOORFIX COMPACT. The heating medium temperature is transmitted from the valve housing to the temperature sensor of the return temperature limiter. If the set setpoint temperature is exceeded, the RTB closes or opens if the temperature falls below it.

For easy accessibility, HERZ FLOORFIX COMPACT can be mounted at the height of the light switch, but at least 20 cm above the top edge of the floor. The room temperature can be adjusted to personal needs without having to remove the cover.


### Installation example - underfloor heating in high-temperature system





## ✓ Technical Data




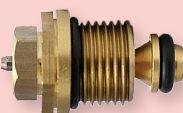
Nominal diameter:	DN 15
Max. operating temperature heating flow:	70 °C (observe application limits FBH pipe and screed)
Max. differential pressure across the valve:	20 kPa
Max. working pressure:	10 bar
Material housing:	EN 1982-CC754S-GM
Material seals:	EPDM
Max. space heating load (heat requirement):	1000 W
Max. pipe length of the floor heating circuit:	60 m - 80 m, depending on the pipe dimension
Max. underfloor heating area:	8 m <sup>2</sup> - 14 m <sup>2</sup> , depending on diameter and pipe spacing



Accessories	Dim.	Order number
 <p><b>Plastic pipe connections G 3/4"</b> for PE-X, PB and aluminium composite pipes, consisting of spigot, olive and union nut G 3/4 with cone.</p>	16 x 2	1 6098 03
	16 x 2,25	1 6098 13
	17 x 2	1 6098 04
	17 x 2,5	1 6098 05
	18 x 2	1 6098 07
	18 x 2,5	1 6098 06
	20 x 2	1 6098 08

	Aluminium wall thickness (mm)	Diameter wall thickness (mm)	Order number
 <p><b>HERZ-LINE PE-RT 5-layered pipe</b> High-safety pipe, impermeable to oxygen due to EVOH layer according to DIN 4726, PE-RT external sheath for protection of the EVOH oxygen barrier layer against mechanical damage. Manufactured according to EN ISO 21003. Colour: Red.</p>	0,2	16 x 2	U 1622 40
		17 x 2	U 1624 80
			U 1626 00
			U 1722 40
		18 x 2	U 1724 80
			U 1726 00
			U 1822 40
 <p><b>Pipe bundle</b> HERZ plastic-aluminium composite pipe PE-RT/Al/PE-RT, multi-layer pipe for complex installation requirements in heating, air-conditioning and sanitary installations. System-tested with HERZ-PIPEFIX press fittings or screw connections. Delivered as pipe bundle.</p>	0,2	16 x 2	3 D160 20



Spare parts		Order number
	<p><b>HERZ design thermostatic head MINI</b> with liquid sensor (hydrosensor), set point range 8 - 28 °C, automatic frost protection at approx. 8 °C. Limitation and locking of the set point range via limiting pins 1 <b>9551</b> 02 possible (must be ordered separately). Dimensions: Length 75 mm, hand wheel diameter 45 mm.</p>	1 <b>9200</b> 60
	<p><b>Return temperature limiter (summer bypass)</b> Controll of the return temperature in the HIU between 25 °C - 60 °C. Limited at 45°C.</p>	1 <b>9201</b> 06
	<p><b>Cover plate</b> for FLOORFIX COMPACT 1 <b>8100</b> 30, 170 x 160mm, made of plastic, white (RAL 9010).</p>	1 <b>8100</b> 52
	<p><b>Upper thermostatic insert 1/2"</b> Replacement under pressure with HERZ Changefix.</p>	1 <b>6390</b> 91

