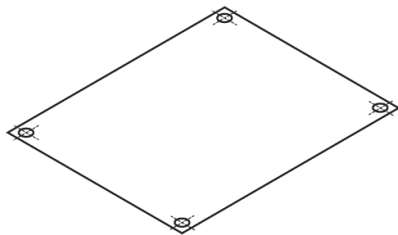


HERZ - „FLOORFIX“ zone valve for floor heating controlling

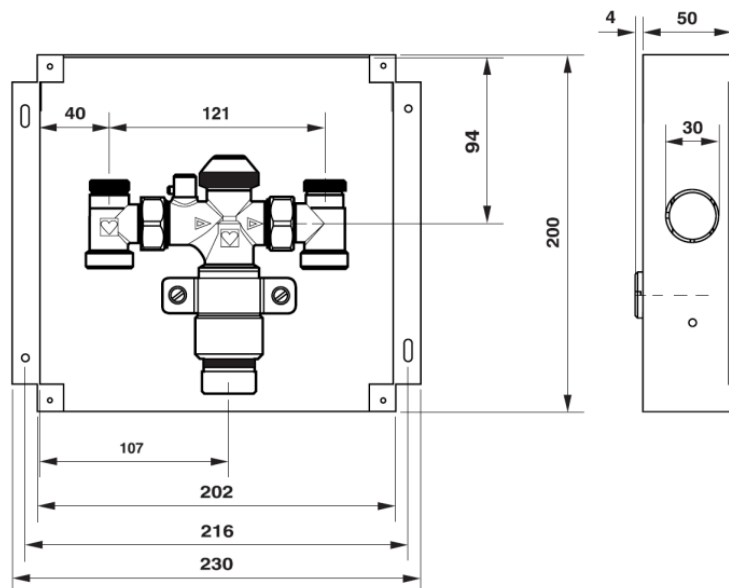
Data sheet for **8100** Issue **0317**

☑ Dimensions in mm

Cover out of “plastic” – white
polished stainless steel



All dimensions in [mm], rounded



☑ Dimensions in mm

The HERZ Floor Fix is installed in a flush-mounted box made of galvanised sheet steel, size - 202 x 200 x 50 mm. The wall opening is closed with a cover plate.

- with white plastic cover plate, art. nr.: **1 8100 10**
- with polished stainless steel cover plate and protective foil, art. nr.: **1 8100 11**

☑ Function

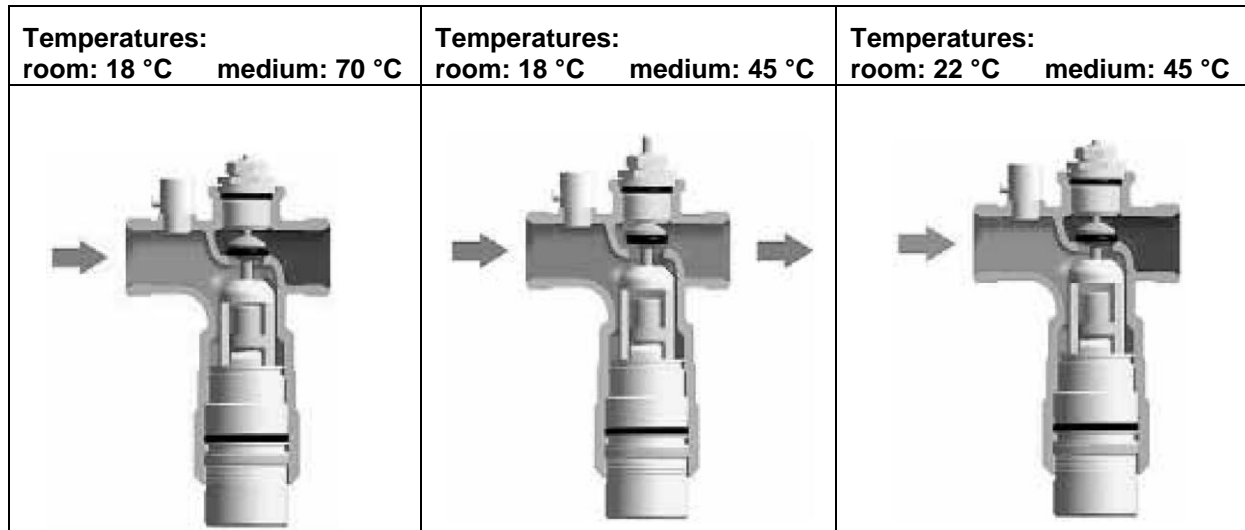
The temperature of the flow for the underfloor heating circuit is determined by a temperature sensor installed in the valve with an adjusting screw on the basis of a temperature scale.

The room temperature is controlled by HERZ thermostat with remote sensor and remote control (not included in scope of supply, see accessories) by operating the HERZ TS 90 thermostatic valve installed in the Floor Fix. Due to the separation of the controller and the fitting, the wall opening of the Floor Fix can also be positioned in the next room for easier accessibility.

☑ Scope of supply

Housing made of galvanized sheet steel 202 x 200 x 50 mm cover plate made of stainless steel or plastic, white "Floor Fix" fitting 2 pieces. Shut-off and regulating valves.

Operation (example)



Technical data

Operating temperature flow max.	80 ° C (recommended)
Maximum operating pressure	10 bar
Maximum differential pressure at valve	20 kPa (recommended)
Setpoint range of the temperature limiter	30 - 60 ° C
Maximum operating temperature	45 ° C recommended for underfloor heating
Heating water quality according to ÖNORM H 5195 or VDI guideline 2035. Temperature and pressure data of the pipe manufacturer have to be observed.	

Mounting and application

The HERZ Floor Fix should preferably be installed at approximately half the pipe section of the floor circuit, flow and return pipe length of the ground circle are thus of almost the same length.

Maximum controllable areas:

pipe	floor area with 125 mm pipe distance	floor area with 250 mm pipe distance
20 x 2 mm	15 m ²	30 m ²
18 x 2 mm	7 m ²	15 m ²
16 x 2 mm	4 m ²	8 m ²

This information is intended as a guideline.

We recommend performing a pressure loss calculation.

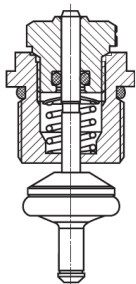
The installation of the flush-mounted box must be flush with the wall; the cover plate is fitted with 4 screws on it.

☑ Accessory (optional)

1 934X 00	thermostat with remote setting for surface mounting, capillary tube length 2000 - 10000 mm
1 935X 00	thermostat with remote setting for flush mounting, capillary tube length 2000 - 10000 mm
1 9330 XX	thermostat with remote setting "De Luxe" capillary tube length 2000 mm
1 6098 XX	plastic pipe connection G 3/4
1 6274 XX	clamping sets metallic sealing, G 3/4
1 6276 XX	clamping sets with soft sealing, G 3/4
1 7710 XX	actuator 230 V or 24 V in conjunction with electrical controllers
1 7791 XX	electrical 2-point controller with digital switch clock
1 7790 XX	controller without switch clock, with switching contact
1 3F94 XX	} wireless single channel controlling system consisting of transmitter (battery operated) and receiver
1 3F95 XX	
3 D160 XX	HERZ „PIPEFIX“ plastic composite pipe, for underfloor heating
3 C140 XX	} HERZ „PIPEFIX“ plastic composite pipe, for universal application in poles or coils 3
C400 XX	
P 7XXX XX	press fitting system, suitable to the above mentioned pipe system

The exact technical data of the accessories can be found in the corresponding data sheets.

☑ Maintenance information



In case of leakages, it is possible to replace the O-ring screw 1 6890 00.

The O-ring screw must be loosened by means of a ring wrench AF 13 in counterclockwise direction. Minor water leakage is possible.

After removing the O-ring screw, check the position of the notched ring and, if necessary, bring it into position with suitable tools.

Apply greases only with silicone grease. Hydrocarbon-containing lubricants (e.g. MoS2 spray) destroy the EPDM O-rings.

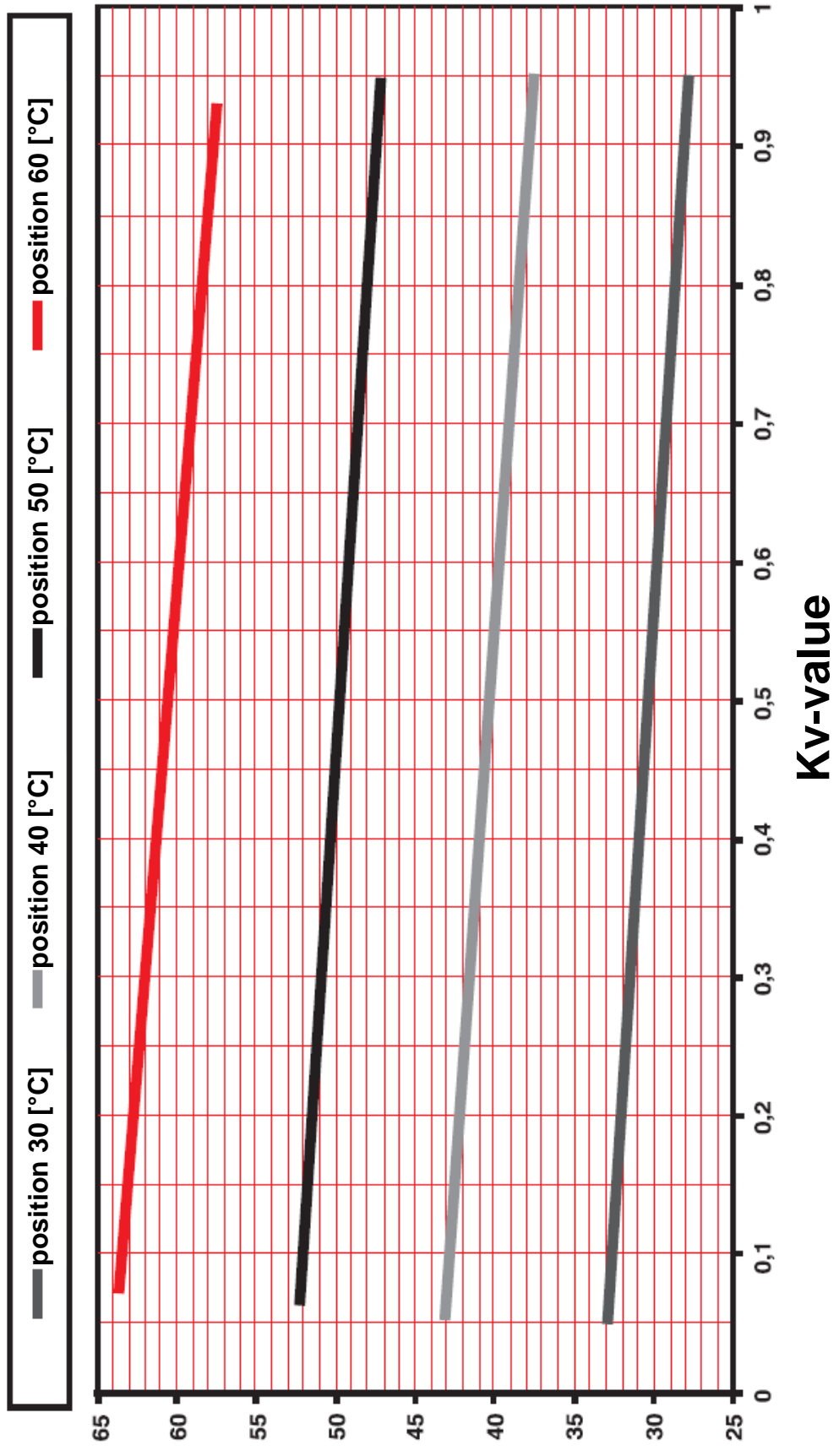


When the valve stem gets stuck, the O-ring screw must also be loosened so that the valve stem can be re-actuated by movement. Then replace the O-ring screw.

The TS upper part of the HERZ FLOORFIX cannot be exchanged for service purposes due to its construction.

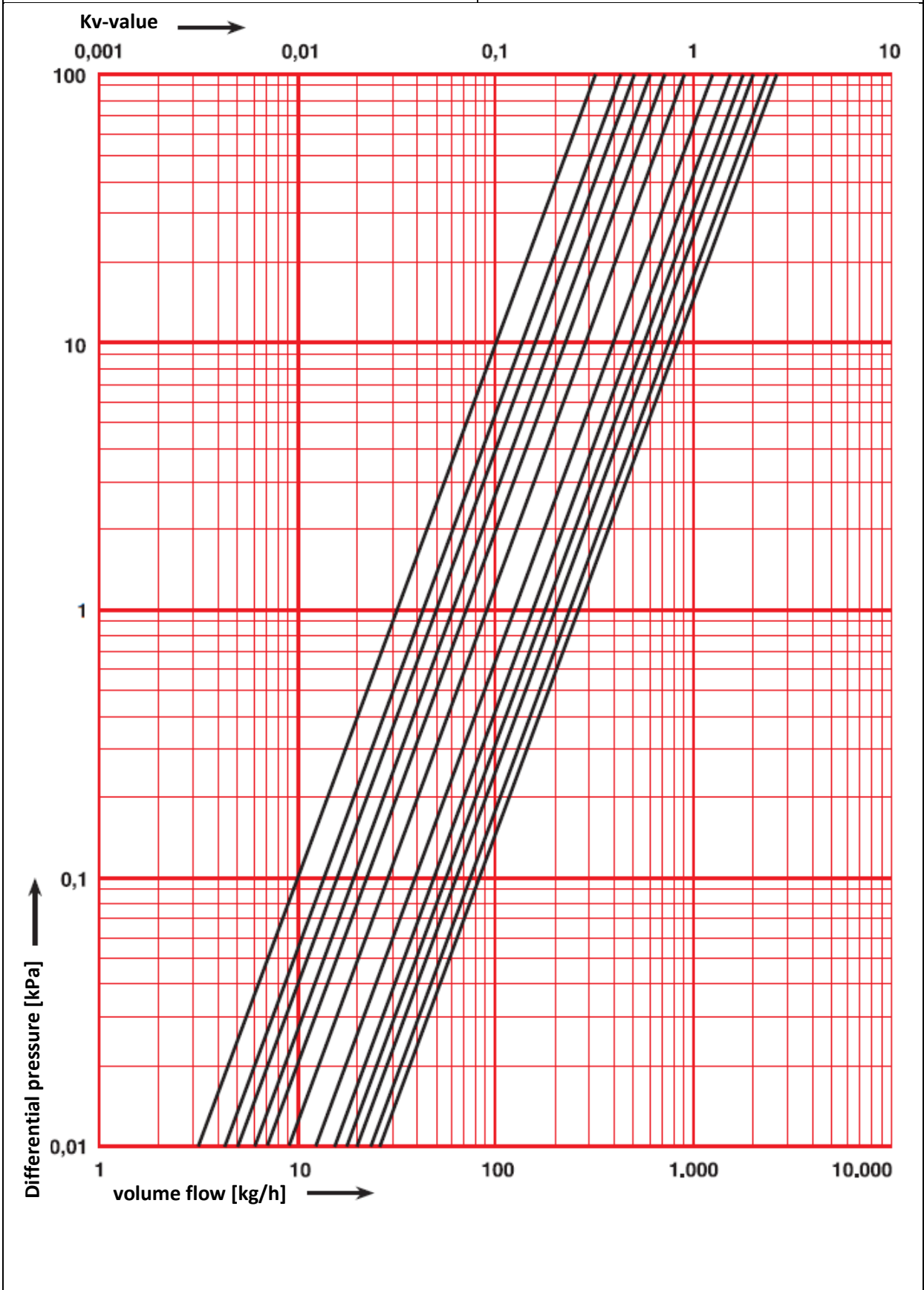
HERZ Nomogramm	TYPE
Art. Nr.: 1 8100 10	Dim.

HERZ FLOORFIX – kv-value / temperature - diagram

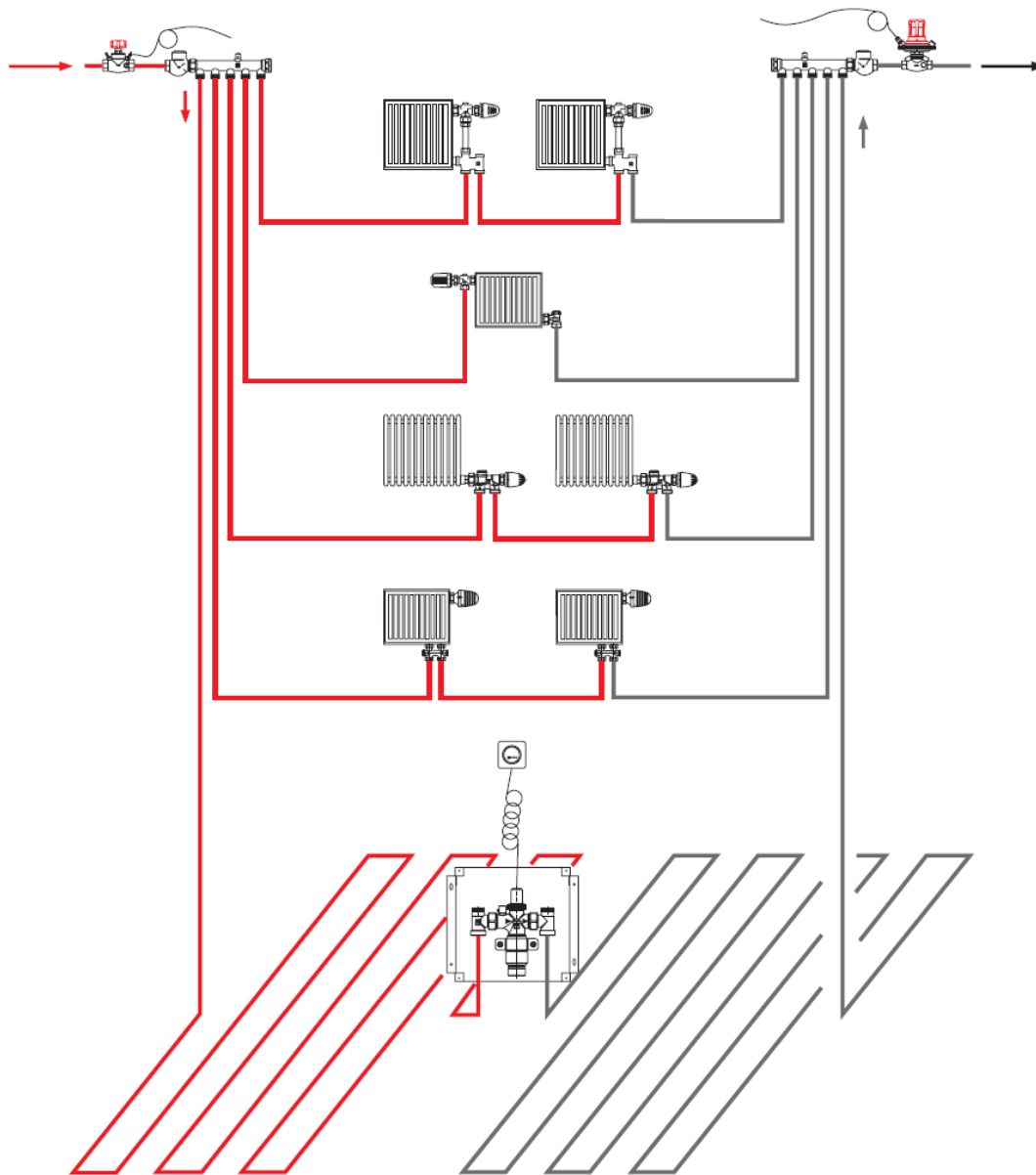


Heating medium temperature [°C]

HERZ Nomogramm	TYPE shut-off and regulating valve
Art. Nr.: 1 3742 01	Dim. DN 15



☑ Accessory (optional)



Legend:

1	Balancing valve STRÖMAX	10	1 3924 01
2	Shut-offs 1 8437 xx	11	"Mini GS" 1 9200 xx
3	Distributor 1 8541 xx	12	VTA 40, 1 7767 xx, two pipe model
4	differential pressure controller 1 4007 xx	13	VTA 40, 1 7767 xx, single pipe model
5	"Mini Classic" 1 9200 xx	14	"Design" 1 9230/9260 06
6	HERZ 2000 1 7173 01, single pipe model	15	HERZ 3000 1 3066 xx
7	HERZ 2000 1 7175 01, two pipe model	16	1 934X 00 or 1 935X 00
8	thermostatic head 1 7230/7260 06	17	"Floor fix" 1 8100 10
9	1 7628 67		

 **Mounting**



1. Screw off the cap of the thermostatic valve.
2. For flush mounting the valve attachment has to be disassembled, in which the union nut is pushed back, the plastic nut is unscrewed and the bellows is carefully pulled out of the plastic sleeve. Metal and plastic nuts have to be removed and the capillary tube is inserted into the flush pipe (inner diameter 18 mm).

Reassemble the valve attachment piece, place it on the valve housing and tighten the union nut by hand.



3. Tighten the union nut with the assembly key 1 **6807** 90 AF 30 with hand force approx. 1/4 turn.

Illustration: Completely mounted valve attachment



4. Attach the thermostat element on the wall, in consideration of the available capillary tube length, so that the arrow on the base plate points upwards. Depending on the model, the thermostat element is mounted on the wall or in a flush-mounted socket.

