Termotec

Upgradeable manual radiator valves.

HEIMEIER

Pressurisation & Water Quality › Balancing & Control › Thermostatic Control

ENGINEERING ADVANTAGE

PNEUMATEX › TA › HEIMEIER ›

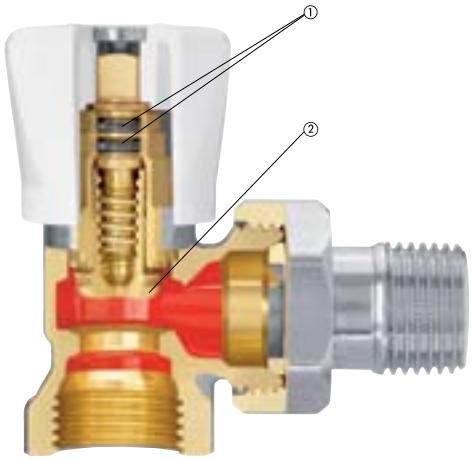
TA HYDRONICS

Technical description

HEIMEIER Termotec upgradeable manual radiator valves with white plastic handwheel cap, RAL 9016. Body made of nickel plated brass. Lengths according to DIN EN 215 Series F. Non-rising spindle with double EPDM O-ring sealing. Can be retrofitted as a thermostatic valve by replacing the Termotec insert with a thermostatic insert, see accessories. With a special tool (on request) this changing is possible under pressure. Can be connected to a threaded pipe, or with compression fittings to a copper or precision steel pipe. For HEIMEIER Termotec, only use the auxiliary, labelled HEIMEIER compression fittings (label e. g. 15 THE).
Permitted operating temperature TB 120°C (248°F). Permitted operating pressure PB 10 bar, low pressure steam 110°C (230°F)/ 0.5 bar.

Assembly

Termotec



1. Double O-ring sealing
2. Regulation cone

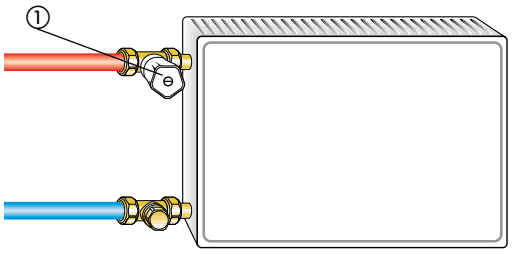
- **Double EPDM O-ring sealing**
- **Non-rising spindle**
- **Can be retrofitted as a thermostatic valve**

Application

The HEIMEIER Termotec upgradeable manual radiator valve is used in warm water pump heating systems, gravity or low pressure steam systems. With models in angle and straight form from NW 15 to NW 20, the manual radiator valve can be used for a number of different purposes.

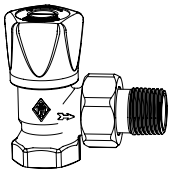
Note
The contents of the heat transfer medium should comply with VDI guideline 2035 on damage and scale deposit formation in warm water heating systems.
For industrial and long-distance energy systems, see the applicable codes VdTÜV 1466 and AGFW FW 510. Mineral oils in the heat transfer medium or lubricants containing mineral oils of any type lead to strong swelling and in most cases cause EPDM seals to fail.
When using nitrite-free frost and corrosion resistance solutions with an ethylene glycol base, pay close attention to the details outlined in the manufacturers‘ documentation, particularly details concerning concentration and specific additives.

Sample application



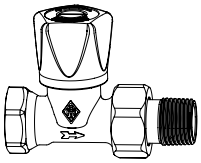
1 Termotec

Articles



Angle

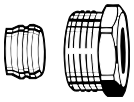
DN	Kvs	Art. No.
15 (1/2")	4,0	0161-02.000
20 (3/4")	4,0	0161-03.000



Straight

DN	Kvs	Art. No.
15 (1/2")	2,5	0162-02.000
20 (3/4")	2,5	0162-03.000

Accessories



Compression fitting
for copper or precision steel pipes.
Metal-to-metal joint. Brass nickel-plated.
Female thread connection Rp $^{3}/_{8}$–Rp$^{3}/_{4}$.
Support sleeves should be used for a pipe wall thickness of 0.8 – 1 mm. Follow the specifications of the pipe manufacturer.

Ø Pipe	DN valve	Art. No.
12	10 (3/8")	2201-12.351
15	15 (1/2")	2201-15.351
16	15 (1/2")	2201-16.351
18	20 (3/4")	2201-18.351

Support sleeve
for copper or precision steel pipe with a 1 mm wall thickness.
Brass nickel-plated.

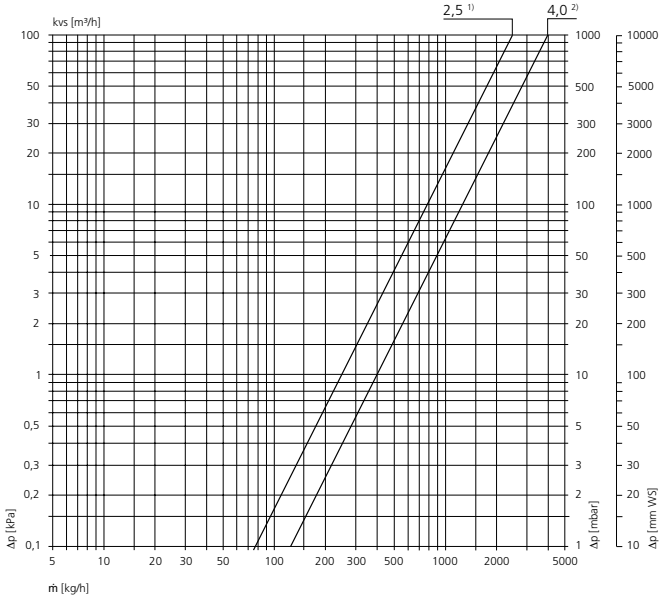
L	Ø Pipe	Art. No.
25,0	12	1300-12.170
26,0	15	1300-15.170
26,3	16	1300-16.170
26,8	18	1300-18.170

Thermostatic insert
Retrofitting insert for Termotec. a special tool (on request) the changing is possible under pressure.

DN valve		Art. No.
15, 20	(1/2", 3/4")	0162-03.300

Technical data

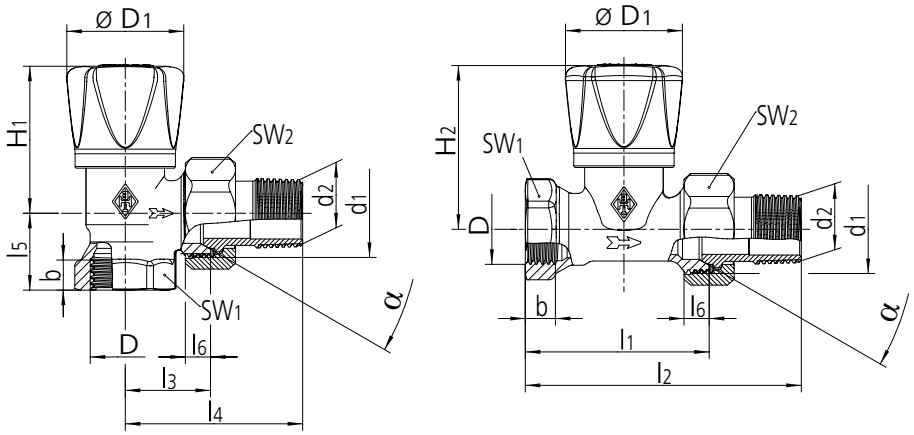
Diagram DN 15 (1/2") to DN 20 (3/4")



1) Straight
2) Angle

Dimensions

Lengths according to DIN EN 215 Series F



DN	D	b	d_1	d_2	l_1	l_2	l_3	l_4	l_5	l_6 min.	SW_1 / SW_2	H_1	H_2	D_1
15	Rp1/2	9	G3/4	R1/2	55	82	26	53	23	7	27 / 30	44	49	36
20	Rp3/4	10	G1	R3/4	65	98	30	63	26	8	32 / 37	44	49	36

α = 60° (±1°)

1 mm = 0,0394 inch

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