

Climate
Control

IMI TA

RVO-1



Manual radiator valves

Manually operated radiator valve with presetting

RVO-1

This manually operated valve designed for radiators and towel dryers is suitable for use both in heating and tap water systems. Gunmetal construction enhances durability, while double O-rings reduce risk of leakage.



Technical description

Application:

Heating systems
Tapwater systems (DN 10)

Function:

Pre-setting
Shut-off

Dimensions:

DN 10-15

Pressure class:

PN 10

Temperature:

Max working temperature: 120°C

Material:

Valve body: Gunmetal.
O-rings: EPDM rubber.
Valve head: EPDM rubber.
Valve insert: Brass, DN 10 AMETAL® for tapwater.
Handwheel: PP (Polypropylen).

AMETAL® is the dezincification resistant alloy of IMI.

Surface treatment:

Valve body and fittings are nickel-plated

Marking:

Valves are marked with TA, country code, flow direction arrow and size.

Standards:

Valves and fittings comply with EN 215/1 and HD 1215-2.

Operating instruction

Manual operation

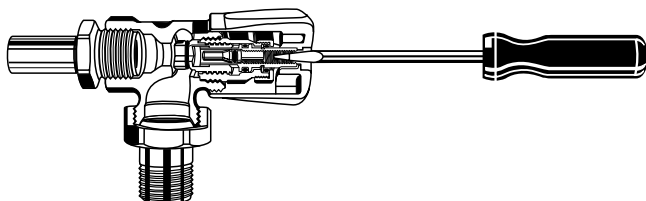
The valve is operated by the handwheel.

Presetting

The valve is delivered fully open. Use a screwdriver when presetting, which is done as described below:

- Shut the valve
- Remove the handwheel screw
- Turn the presetting spindle clockwise until stop
- Turn the presetting spindle anti-clockwise to the correct value according to the diagram
- Put the handwheel screw back and open the valve

If the valve is shut and reopened after that, the presetting value will remain.



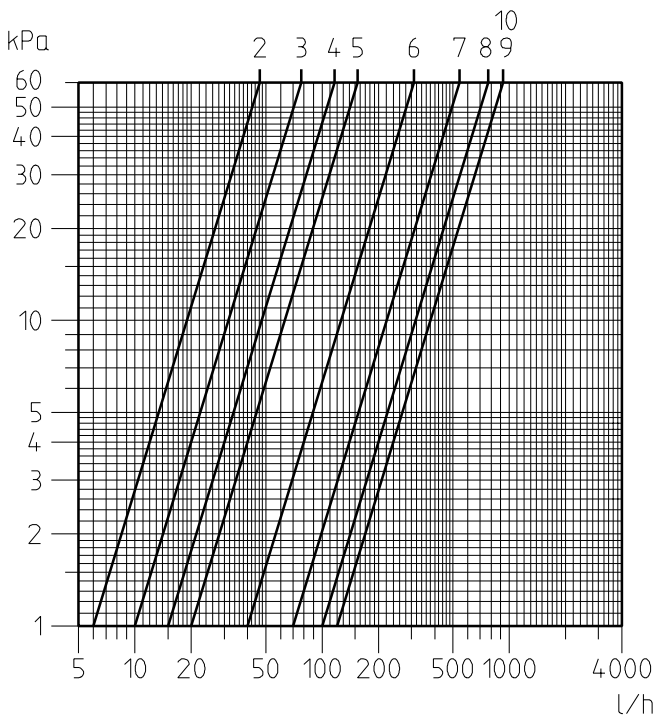
Noise

The maximum recommended pressure drop in order to avoid noise: 30 kPa = 0,3 bar

Notes

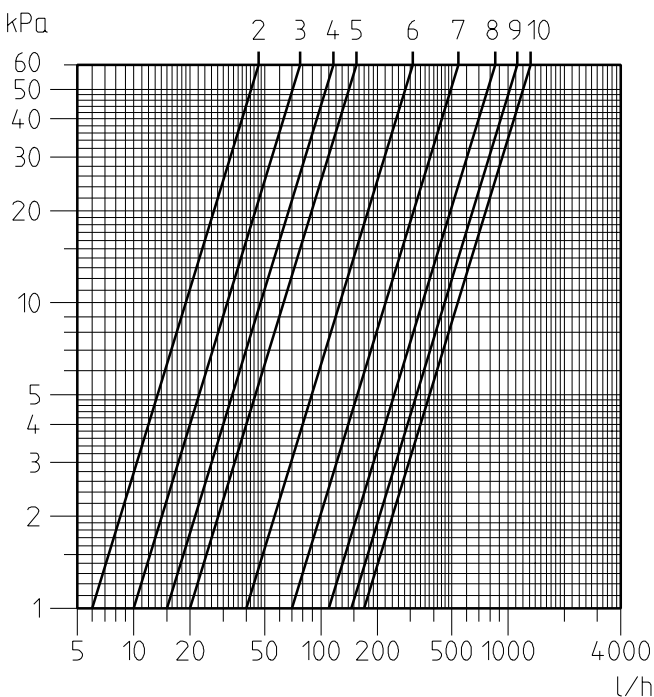
To avoid damage and the formation of scale deposit in the hot-water heating system, the composition of the heat transfer medium should be in accordance with the VDI guideline 2035. For industrial and long-distance energy systems, see the applicable codes VdTÜV and 1466/AGFW FW 510. A heat transfer medium containing mineral oils, or any type of lubricant containing mineral oil can have extremely negative effects and usually lead to the disintegration of EPDM seals. 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 concerning concentration and specific additives.

Diagram DN 10 Straight



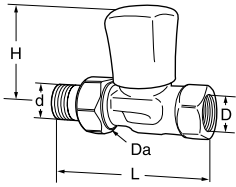
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1
9	1,2
10	1,2

Diagram DN 15 Straight, DN 10-15 Angle



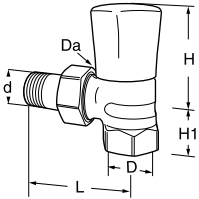
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1,1
9	1,45
10	1,7

Articles



Straight including radiator union

DN	d	D	Da	L	H	Kvs	EAN	Article No
10	R3/8	G3/8	M22x1,5	75	56	1,2	4024052417926	50 131-910
15	R1/2	G1/2	M26x1,5	88	58	1.7	4024052409228	50 131-115



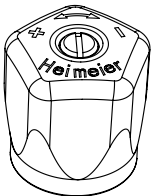
Angle including radiator union

DN	d	D	Da	L	H	H1	Kvs	EAN	Article No
10	R3/8	G3/8	M22x1,5	48	56	20	1,7	4024052418022	50 133-910
15	R1/2	G1/2	M26x1,5	56	58	24	1.7	4024052409822	50 133-115

Kvs = m³/h at a pressure drop of 1 bar and fully open valve.

All valves can be connected to smooth pipes by means of the KOMBI compression coupling.
(See catalogue leaflet KOMBI).

Replacement and spare parts



Handwheel complete with connection screw. For RVO-1, white.

For DN	EAN	Article No
10 - 32 (3/8"-1 1/4")	4024052113118	0122-02.327