

RVO-1



Manual radiator valves

Manually operated radiator valve
with presetting



Engineering
GREAT Solutions

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.

Key features

- > **Handwheel**
For straightforward operation.
- > **Stepless presetting**
Ensures accurate balancing with a simple presetting key operation, and eliminates the risk of tampering.
- > **KOMBI connections**
Flexible range of compression couplings ensures a smoother installation.



Technical description

Application:

Heating systems
Tapwater systems (DN 10)

Function:

Pre-setting
Shut-off

Dimensions:

DN 10-20

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 Hydronic Engineering.

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

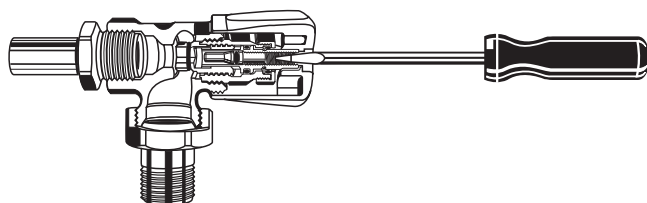
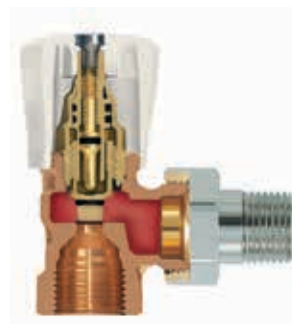
The valve is operated by the handwheel.

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

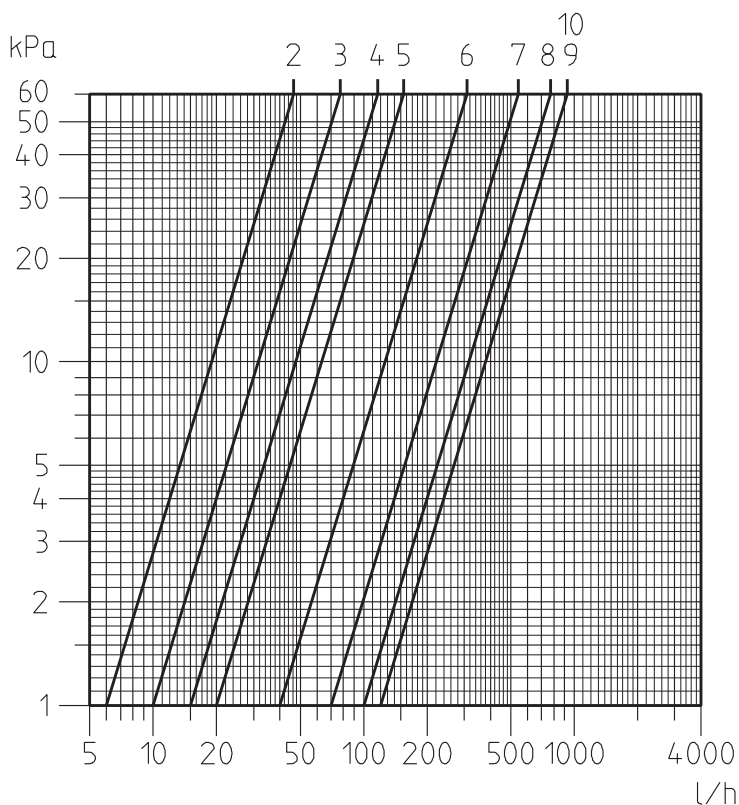
If the valve is shut and reopened after that, the presetting value will remain.



Noise

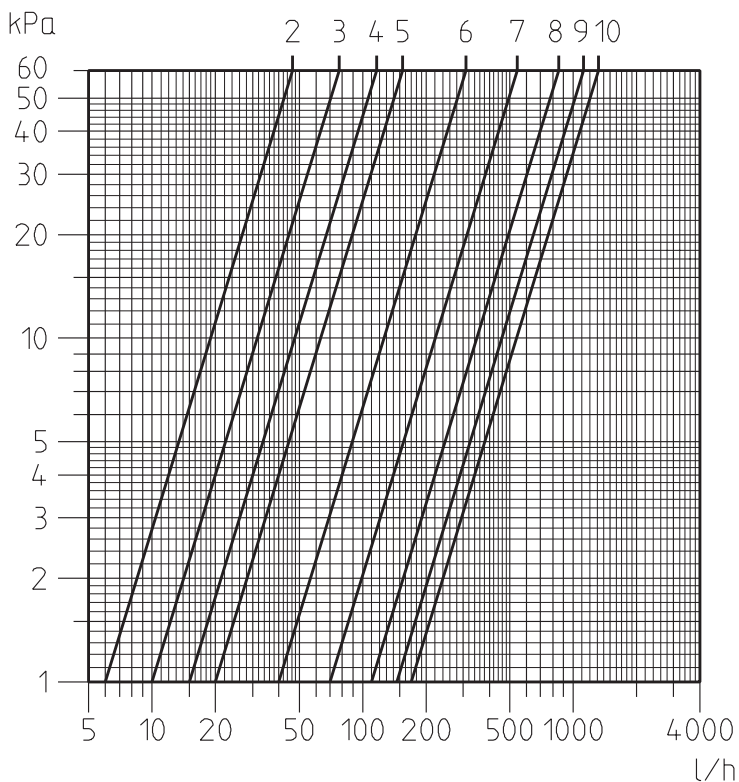
The maximum recommended pressure drop in order to avoid noise: 30 kPa = 0,3 bar

Diagram DN 10 Straight



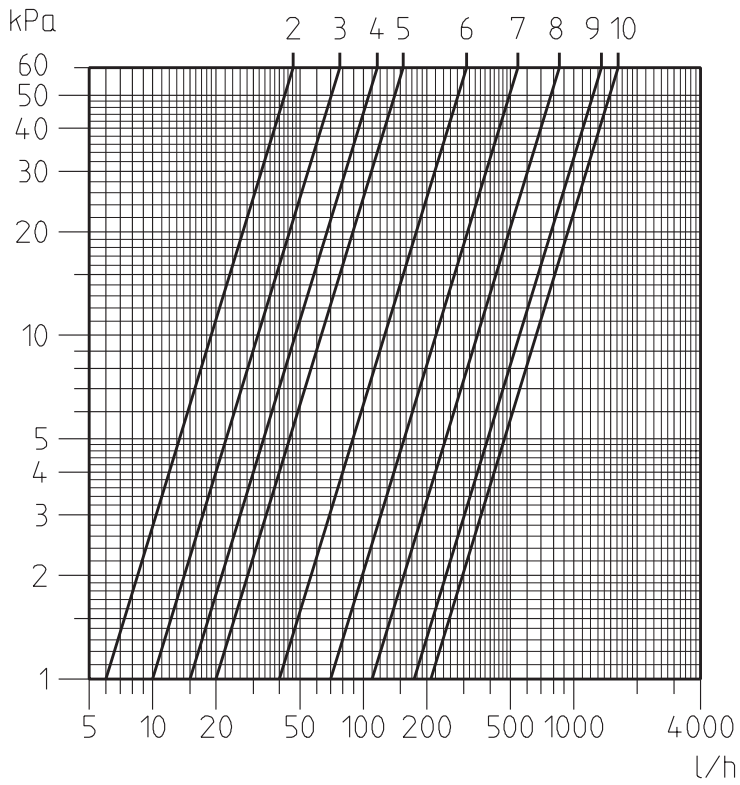
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1
9	1,2
10	1,2

Diagram DN 15-20 Straight, DN 10-15 Angle



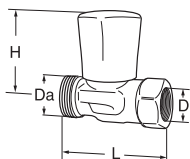
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1,1
9	1,45
10	1,7

Diagram DN 20 Angle



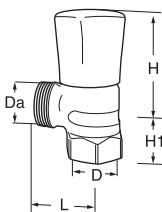
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1,1
9	1,75
10	2,1

Articles

**Straight**

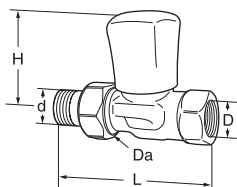
excluding radiator union

DN	D	Da	L	H	Kvs	EAN	Article No
20	G3/4	M34x1,5	68	58	1.7	7318793588203	50 131-620

**Angle**

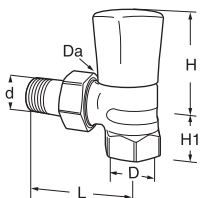
excluding radiator union

DN	D	Da	L	H	H1	Kvs	EAN	Article No
10	G3/8	M22x1,5	23	56	20	1.7	7318793712509	50 133-810
15	G1/2	M26x1,5	26	58	24	1.7	7318793588807	50 133-615
20	G3/4	M34x1,5	31	56	28	2.1	7318793588906	50 133-620

**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	7318793588302	50 131-910
15	R1/2	G1/2	M26x1,5	88	58	1.7	7318793587701	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	7318793589002	50 133-910
15	R1/2	G1/2	M26x1,5	56	58	24	1.7	7318793588500	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).

