

# 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.

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## Operating instruction

### Manual operation

The valve is operated by the handwheel.

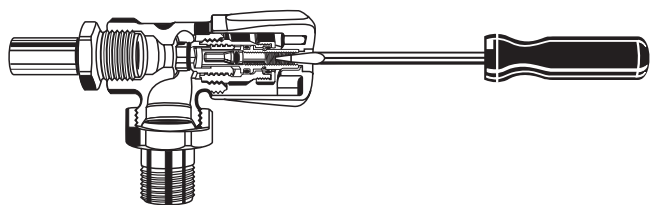
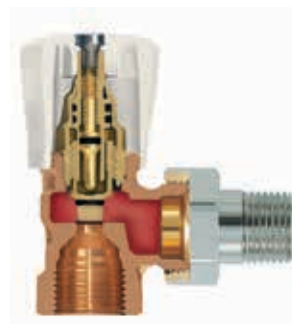
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### Presetting

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.

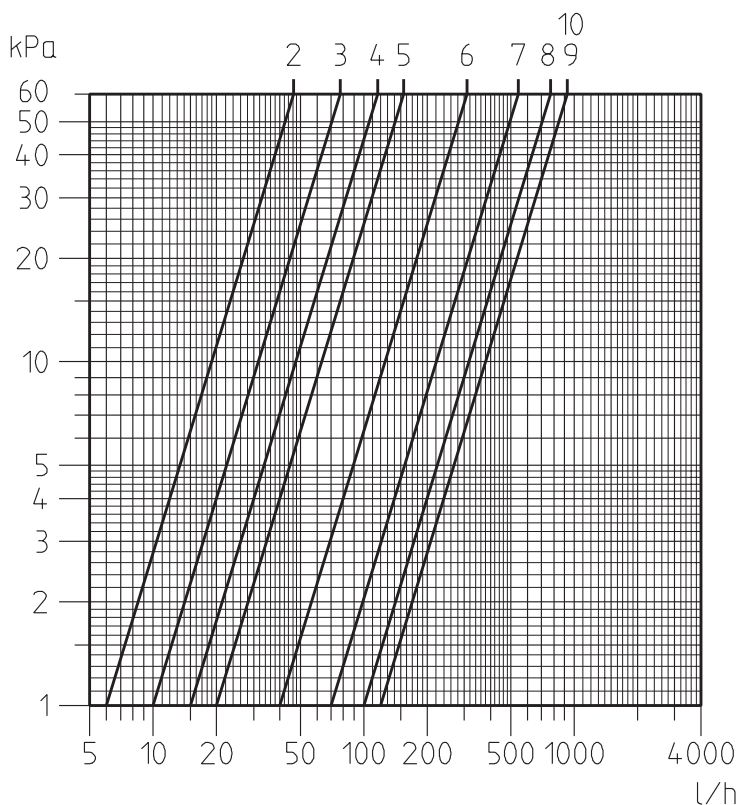


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### Noise

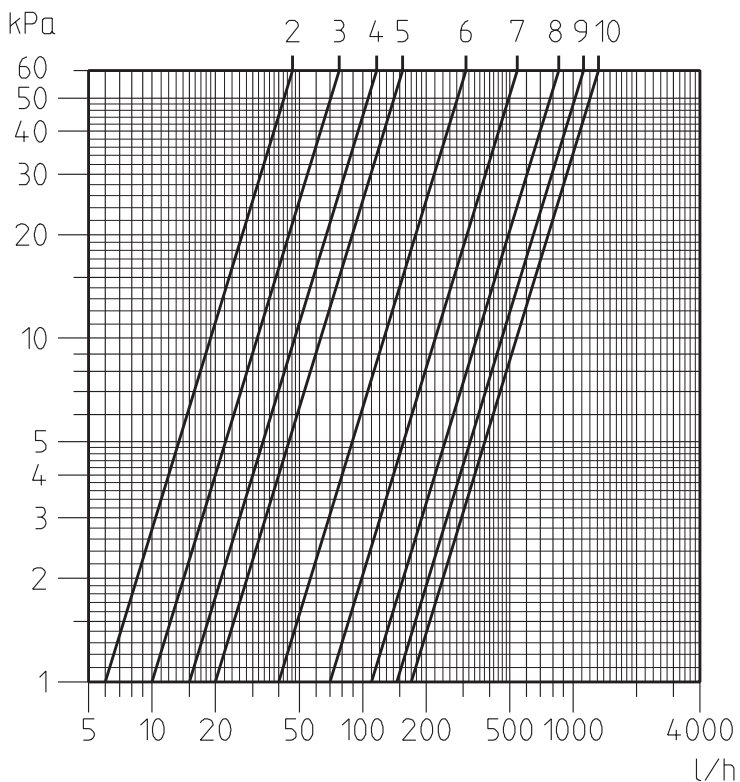
The maximum recommended pressure drop in order to avoid noise: 30 kPa = 0,3 bar

### Diagram DN 10 Straight



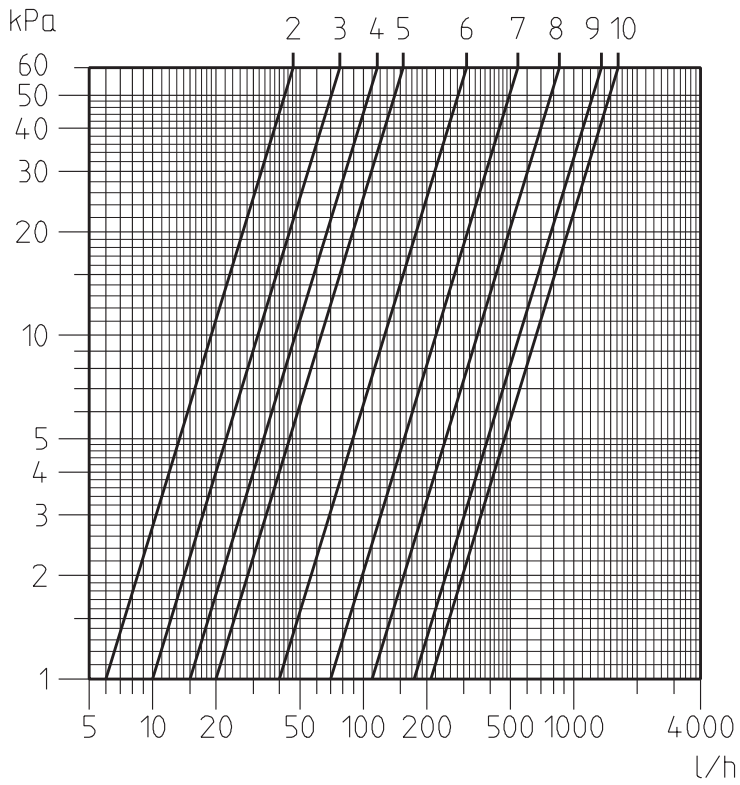
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1
9	1,2
10	1,2

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



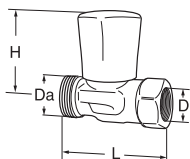
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1,1
9	1,45
10	1,7

### Diagram DN 20 Angle



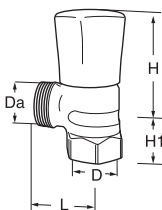
Number of turns	Kv
2	0,06
3	0,1
4	0,15
5	0,2
6	0,4
7	0,7
8	1,1
9	1,75
10	2,1

## Articles

**Straight**

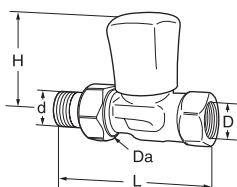
excluding radiator union

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

**Angle**

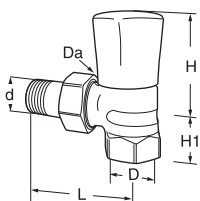
excluding radiator union

DN	D	Da	L	H	H1	Kvs	EAN	Article No
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 = m<sup>3</sup>/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).



