



RV2

2-way zone valve

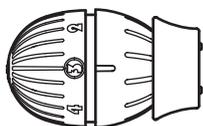
The zone valve is intended for zone control systems together with the thermal actuators in the RTA(O) M100 series or with the thermostatic heads TH-RV468/TH-RV470.

- ✓ Size DN10...DN20
- ✓ Media temperature 5...110°C
- ✓ PN10
- ✓ Adjustable kvs between 0.15...0.41
- ✓ Tail and nut connection included
- ✓ Compact design

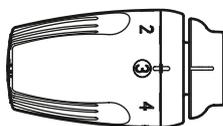
Function

The valves are used to reduce the flow rate in radiators. When the handwheel on the protection lid is fully closed, it is possible to exceed static pressure values of 10 bar with the system disabled. It is advised to connect the heating elements before carrying out the pressurised seal tests on the system.

The valves are intended for use together with the thermal actuators in the RTA(O)M100 series (with the VA26 adapter) or with the thermostatic heads TH-RV468/TH-RV470.



TH-RV470



TH-RV468

Installation

Valve presetting

The valves determine a specific flow based on the presetting, which generates the desired pressure drop within the hydraulic circuit.

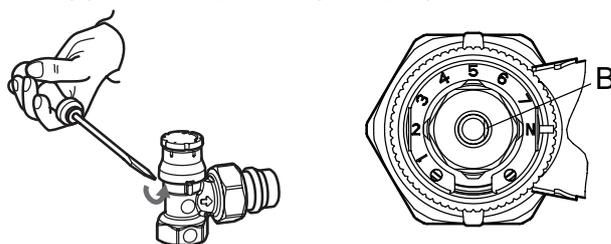
The valves can be preset to efficiently balance the circuit.

By combining them with radiator thermostatic heads or thermal actuators, they offer great energy saving.

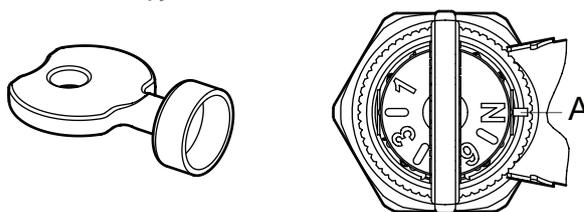
The valves have a numbered bushing; position 1, 2, 3, 4, 5, 6, 7, N (N = fully open).

To make the presetting, proceed as follows:

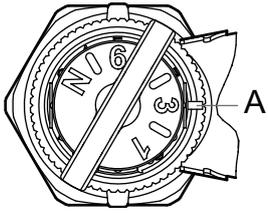
1. Remove the protection lid using a screwdriver. The stem (B) is in the N position (fully open).



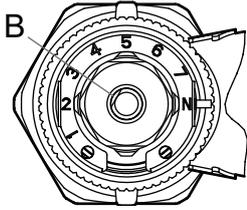
2. Place the tool RV-TOOL on the bonnet stem, in the only possible position (letter N facing the reference A on the valve body).



3. Turn the bonnet stem using RV-TOOL until the desired presetting number marked on the tool faces the reference A on the valve body.



4. Remove RV-TOOL. The stem (B) will be in the desired presetting position, marked by the number on the valve ring. The available adjustment positions are 1, 2, 3, 4, 5, 6, 7, N (N = fully open).



Technical data

Application	Radiators, heating systems, cooling systems
Pressure rating	PN10
Stroke	3.5 mm
Connection, actuator	Snap-on
Max. leakage	0% of Kvs
Media	Hot water, cold water
Media temperature	5...110 °C
ΔPs	140 kPa
ΔPmax	30 kPa

ΔPs constitutes the max. permitted differential pressure at which the valve actuator can safely close against the pressure.

ΔPmax constitutes the max. permitted differential pressure over the flow path of the valve for the entire actuating range of the actuator/thermostatic head to avoid noise (i.e. open valve).

Material

Body	Brass CW617N
Protection lid with handwheel	PP-H
Stem	Stainless steel 1.4305
Sealing	EPDM
O-rings	EPDM

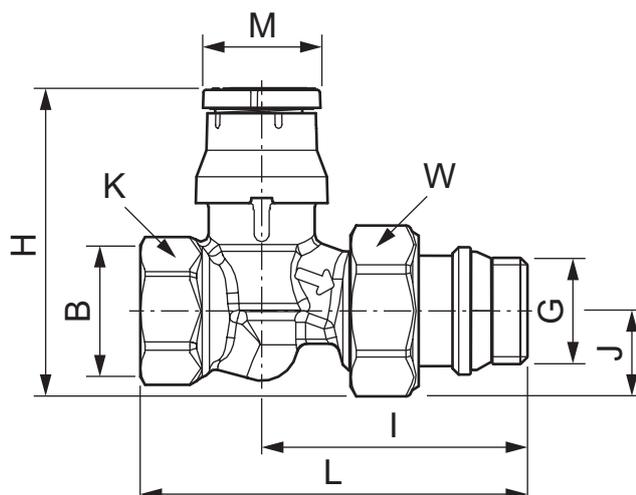
Models

Article	Nominal diameter	Thermostatic head	Actuator
RV210	DN10	TH-RV468, TH-RV470	RTA(O)M100... (with adapter VA26)
RV215	DN15	TH-RV468, TH-RV470	RTA(O)M100... (with adapter VA26)
RV220	DN20	TH-RV468, TH-RV470	RTA(O)M100... (with adapter VA26)

Accessories

Article	Description
VA26	Adapter for RTA(O)M actuators

Dimensions

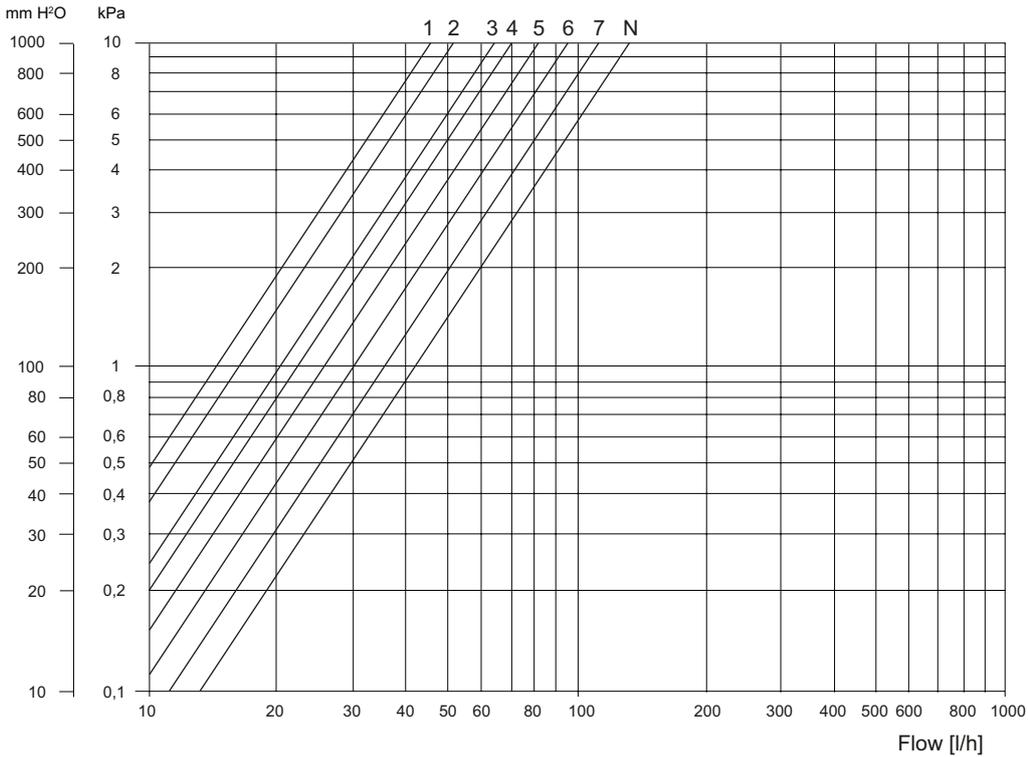


DN	G x B	H	I	J	K	L	M	W
10	3/8" x 3/8"	58	54	15	22	76	23	27
15	1/2" x 1/2"	60	55	17	27	82	23	30
20	3/4" x 3/4"	65	56	21	32	82	23	38

Measurements in mm unless otherwise specified.

Pressure drop diagram

Pressure drop



Regulation position	Kv
1	0.15
2	0.17
3	0.20
4	0.22
5	0.26
6	0.31
7	0.35
N	0.41

Example, pressure drop diagram

If the pressure drop is 5 kPa (A) and the flow is 50 l/h (B), regulation position 4 is preferably selected. See the markings in the picture to the right.

