

DATA SHEET

Set of VISION RTL valves



APPLICATION

The VISION RTL radiator valve set is designed for mounting on a central radiator in a two-pipe system. The kit includes temperature limits for underfloor heating (up to 15 m²).

The set consists of RTL valve, closed division from the temperature in the field.

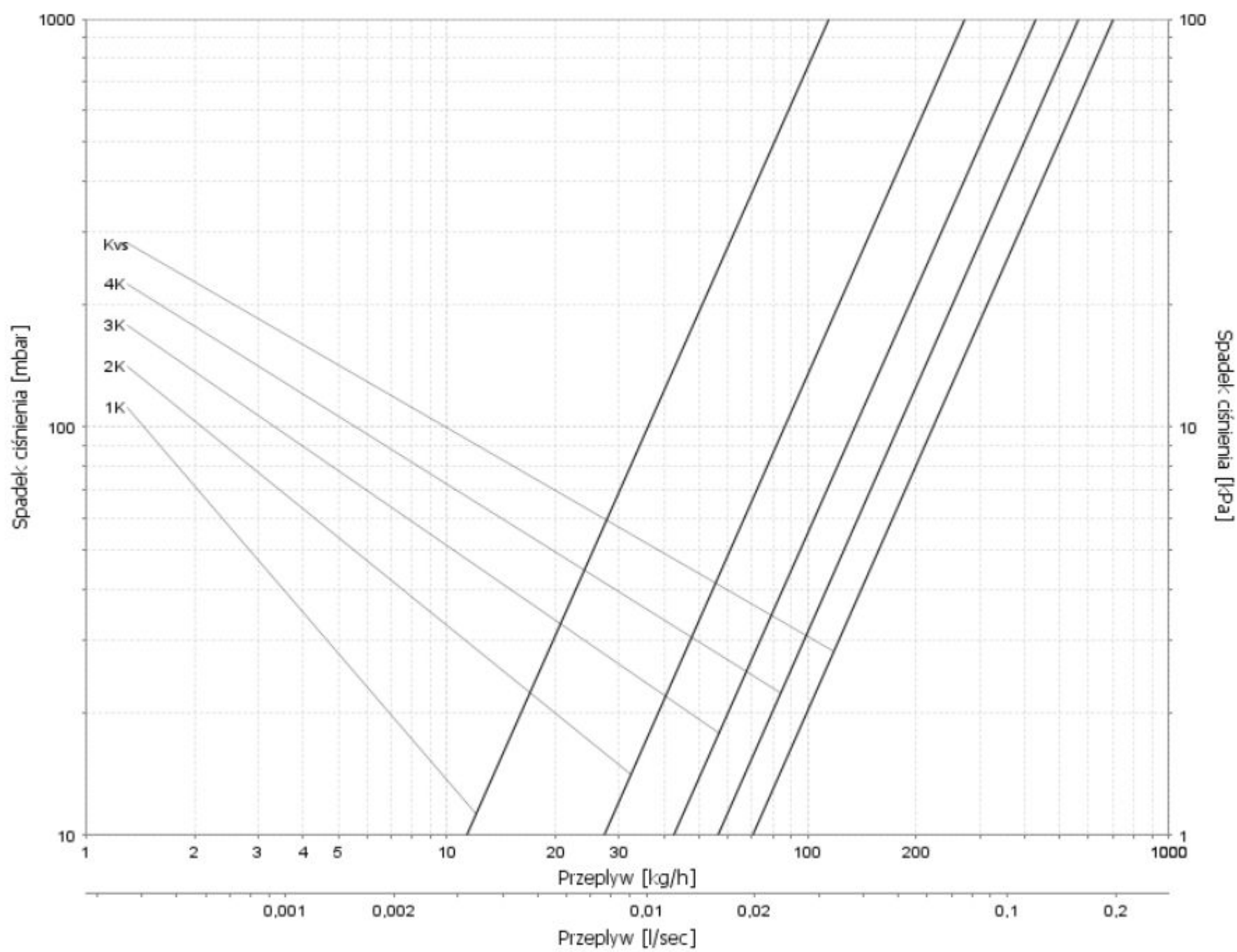
The RTL valve is mounted on a central heater heated on the distribution side, which is divided by a shut-off valve is mounted on the supply side. Ensures precise balancing of any radiator application, which includes improved thermal comfort and valve performance.



SPECIFICATION

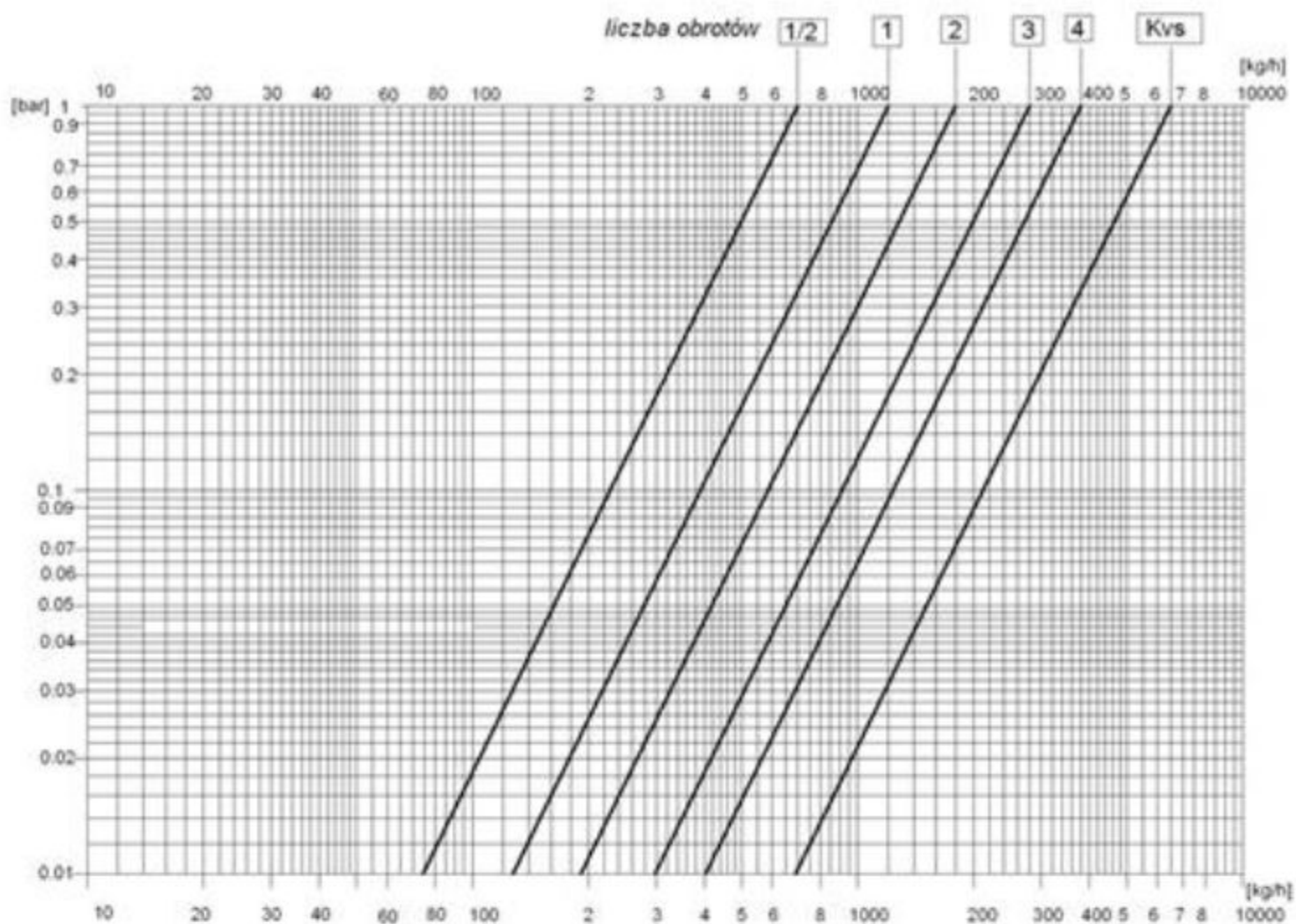
Working temperature	90 ° C
Working pressure	10 bar (1MPa)
Heating factor	water
Test pressure	1.5 MPa
Operating range	10 - 50 ° C
Pressure drop max.	1 bar (0.1 MPa)

Diagram VISION RTL valve flow



Difference - P	1K	2K	3K	4K	Control Kvs
Flow factor Kv	0.1	0.25	0.4	0.55	0.7
Tolerance	$\pm 10\%$				

Diagram przepływu dla zaworu odcinającego

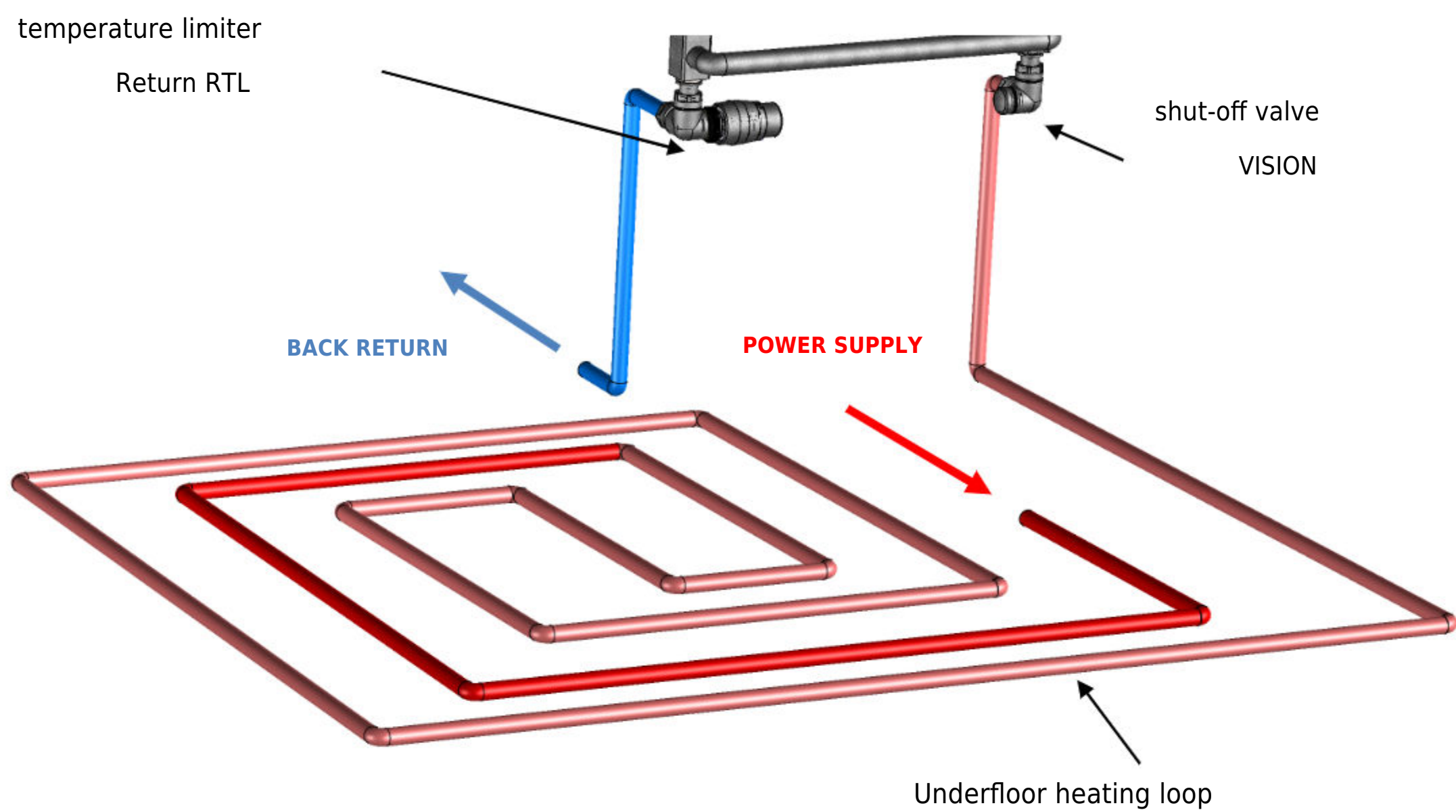


Kv value for a given number of turns						
Number of turns in the direction of valve opening	1/2	1	2	3	4	Kvs
Kv	0.07	0.10	0.18	0.30	0.38	0.65
Tolerance	± 10%					

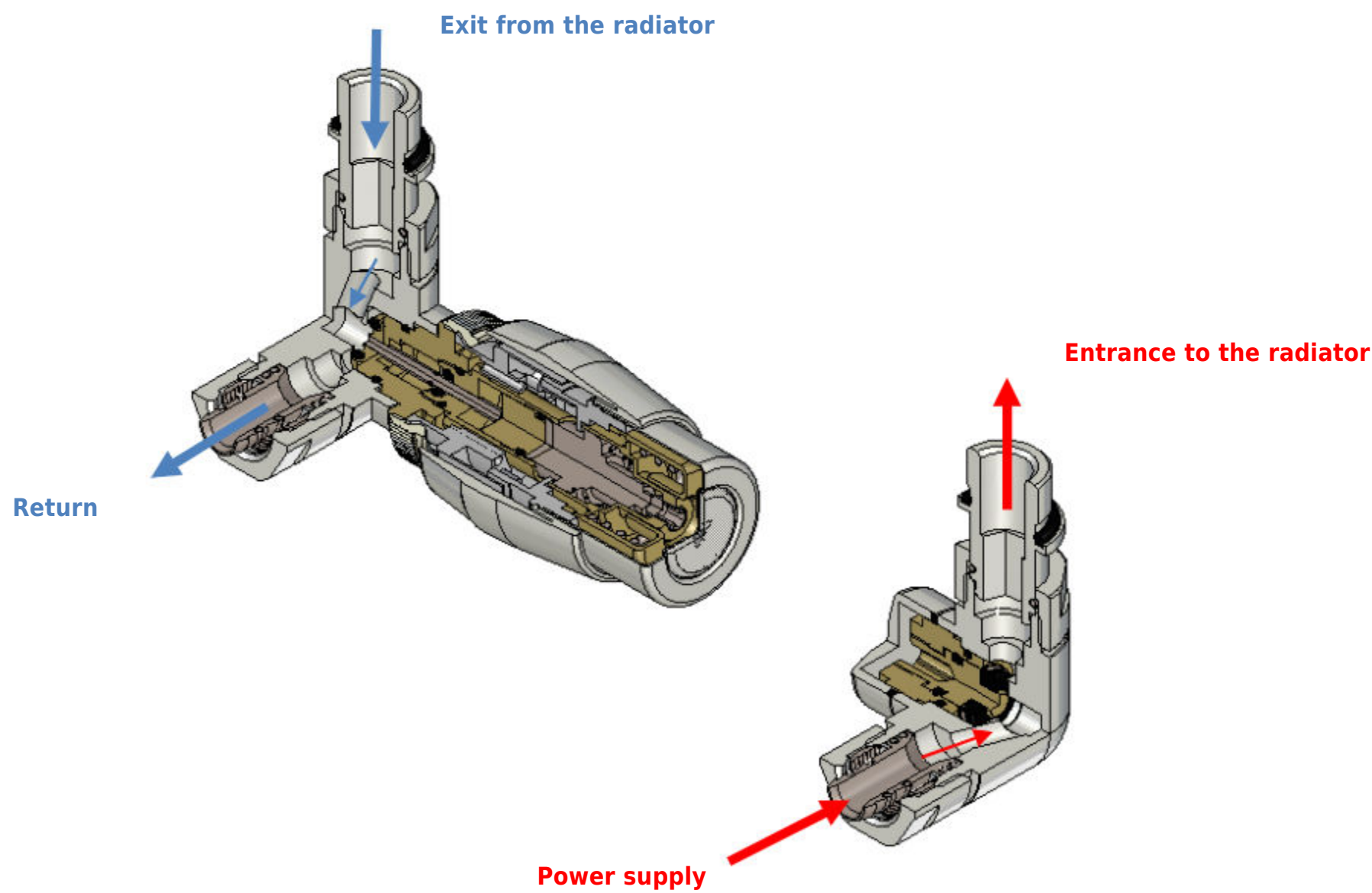
Attention

- Install Prestige RTL heads from the return side (if the power supply is on the right side, looking at the radiator, then the valve with the Prestige RTL head should be on its left side),
- The shut-off valves are factory-set to the open position.
- The pre-setting of the stop valve is carried out by means of the stop valve insert. To change the presetting, first close the stop valve insert (**max. 3Nm - slight tightening**) - using the Allen key), and then starting from the closed position of the valve insert, unscrew to the left by the appropriate number of turns to obtain the desired Kv value shown in the flow diagram above.

Correct installation of the VISION RTL connection to the installation:

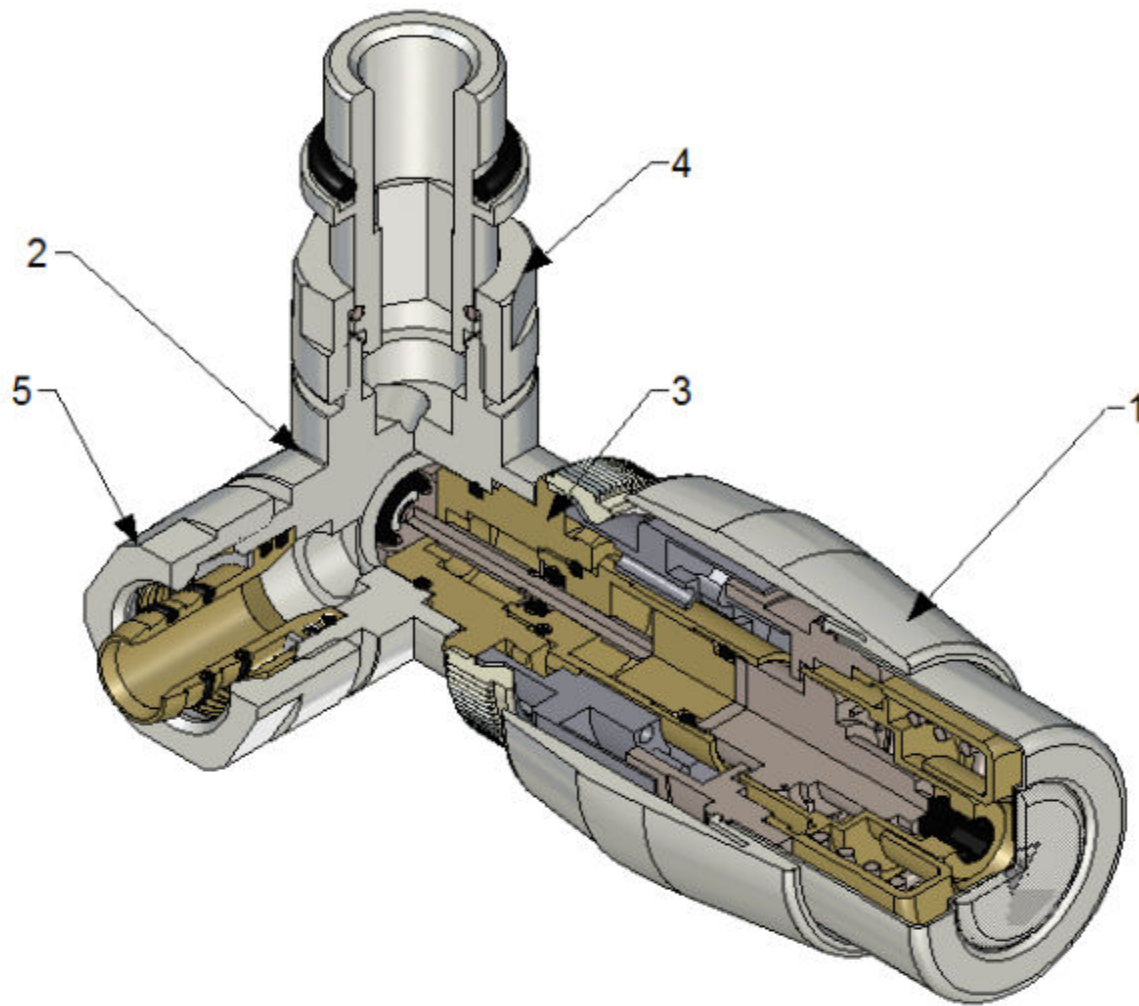


- taking into account the correct flow direction (supply on the right)



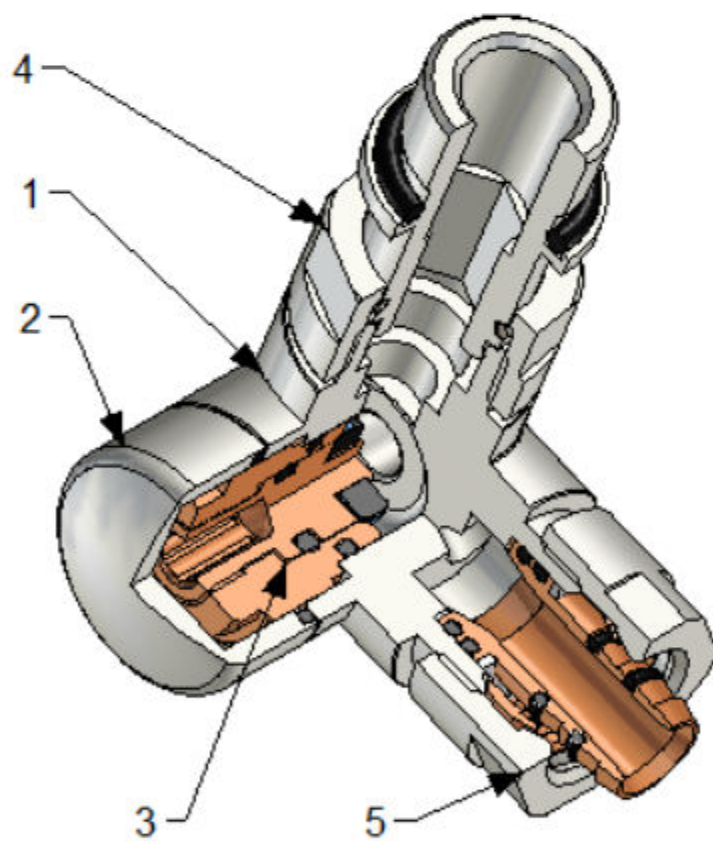
Construction of the VISION RTL set. VISION RTL

valve + Prestige RTL stop



1. **Temperature limiter
Prestige RTL return**
2. **VISION RTL valve body**
3. **Complete insert**
4. **G Złącz fitting**
5. **16x2 compression fitting (*)**

valve. Shut-off valve



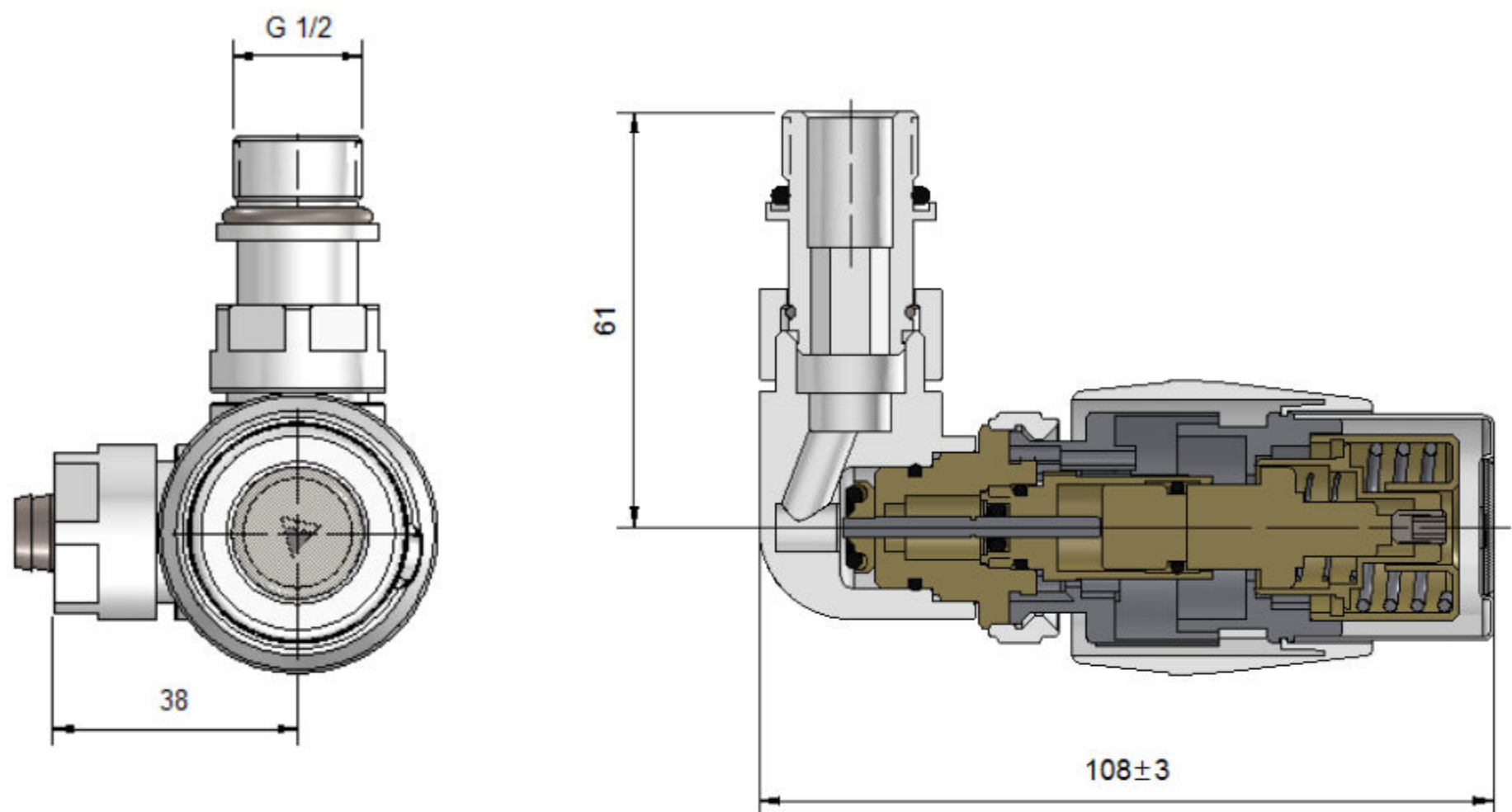
1. **Valve body**
2. **Cap**
3. **Shut-off valve insert**
4. **G 1/2**
5. **fitting 16x2 compression fitting (*)**

(*) - standard PEX 16x2

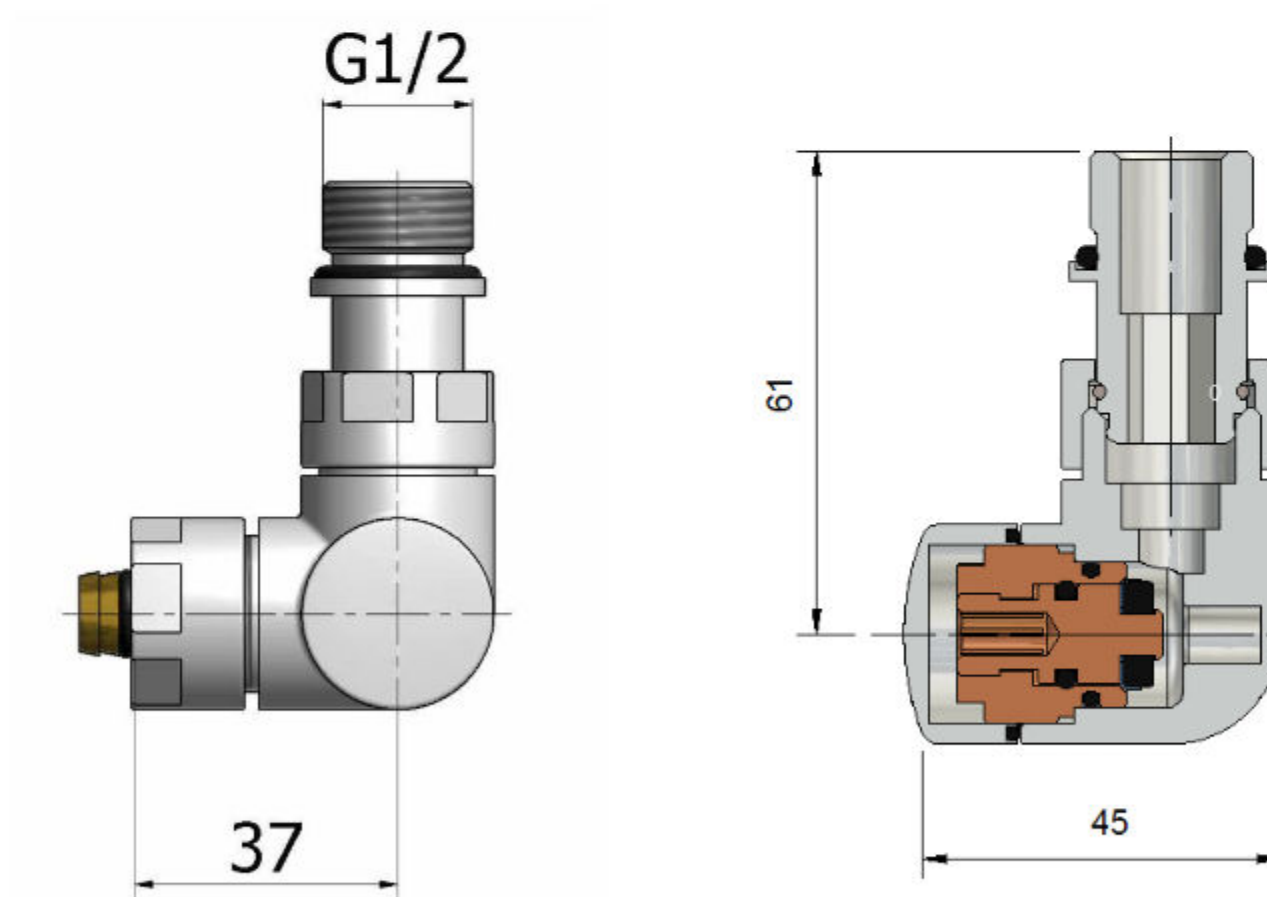
coupler, 15x1 copper coupler or Rp 1/2 female thread possible (individual order).

DIMENSIONS

Axial valve VISION RTL



Shut-off valve

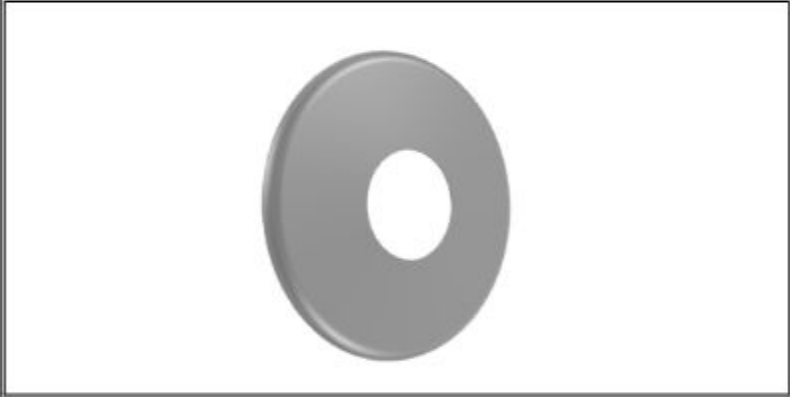


PERFORMANCE

All color versions are available on www.varioterm.pl

CONNECTION ACCESSORIES

(useful for connecting the valve and aesthetic finish of the installation)

	Adapters GZ 1/2 ", Cu 15x1 and GW 1/2" rosette
	Masking 1/2 "or 3/4"
	PEX / Cu tube masking sleeves (various lengths)