

DATA SHEET

LUX RTL



APPLICATION

The LUX RTL radiator valve set is designed for mounting on a radiator central heating in a two-pipe system. The kit is used to limit the temperature at the radiator return or for temperature control for small heating surfaces floor (up to 15 m²).

The set consists of RTL valve, shut-off valve (angular version) and stop Prestige RTL return temperature that allows you to adjust the water in the radiator from 10 up to 50 ° C regardless of room temperature.

The RTL valve is mounted on the central heating radiator on the duct side the shut-off valve is mounted on the supply line side.

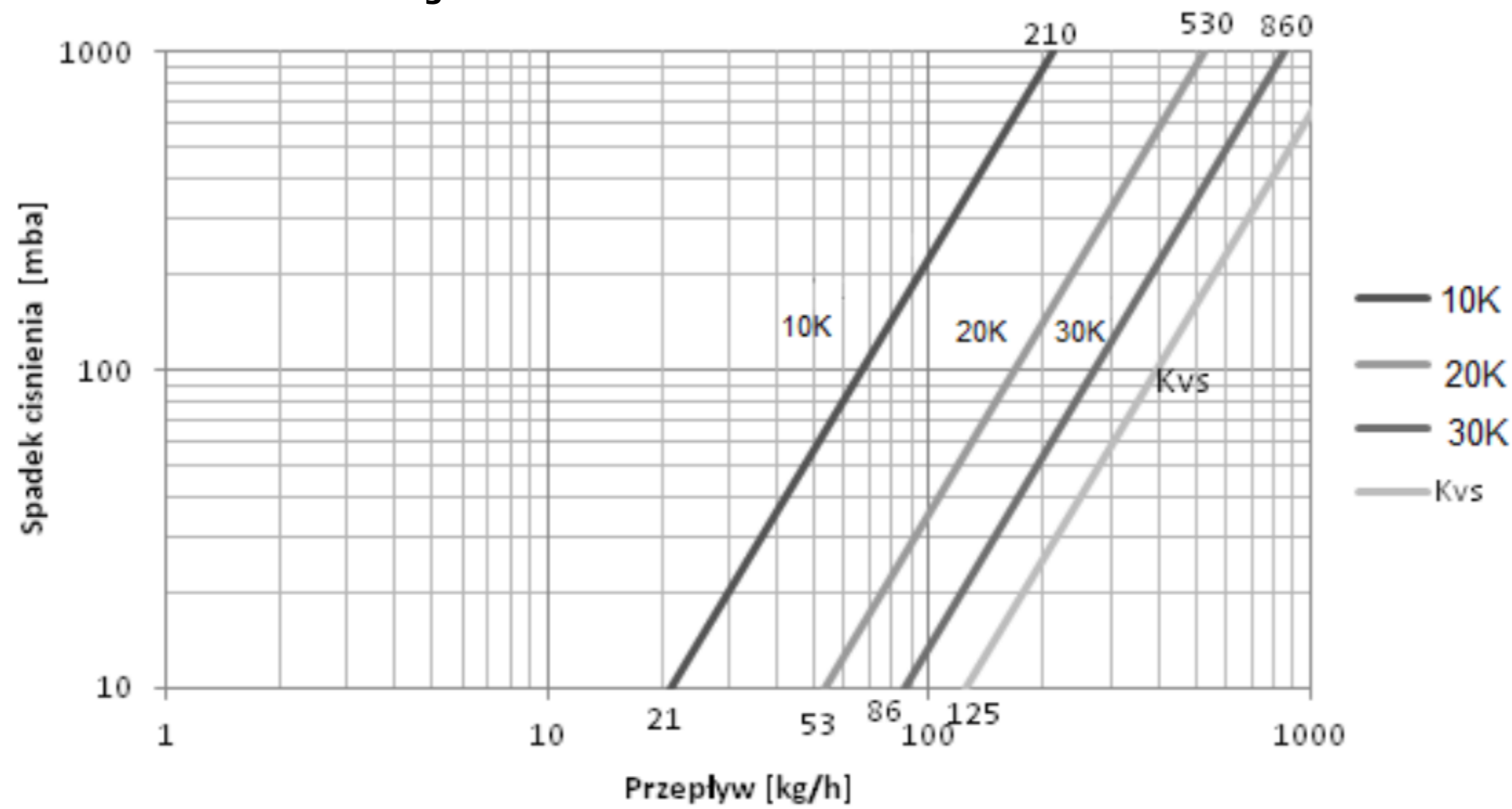
It ensures the precise balance of each radiator circuit, which improves thermal comfort and better valve performance.



SPECIFICATION

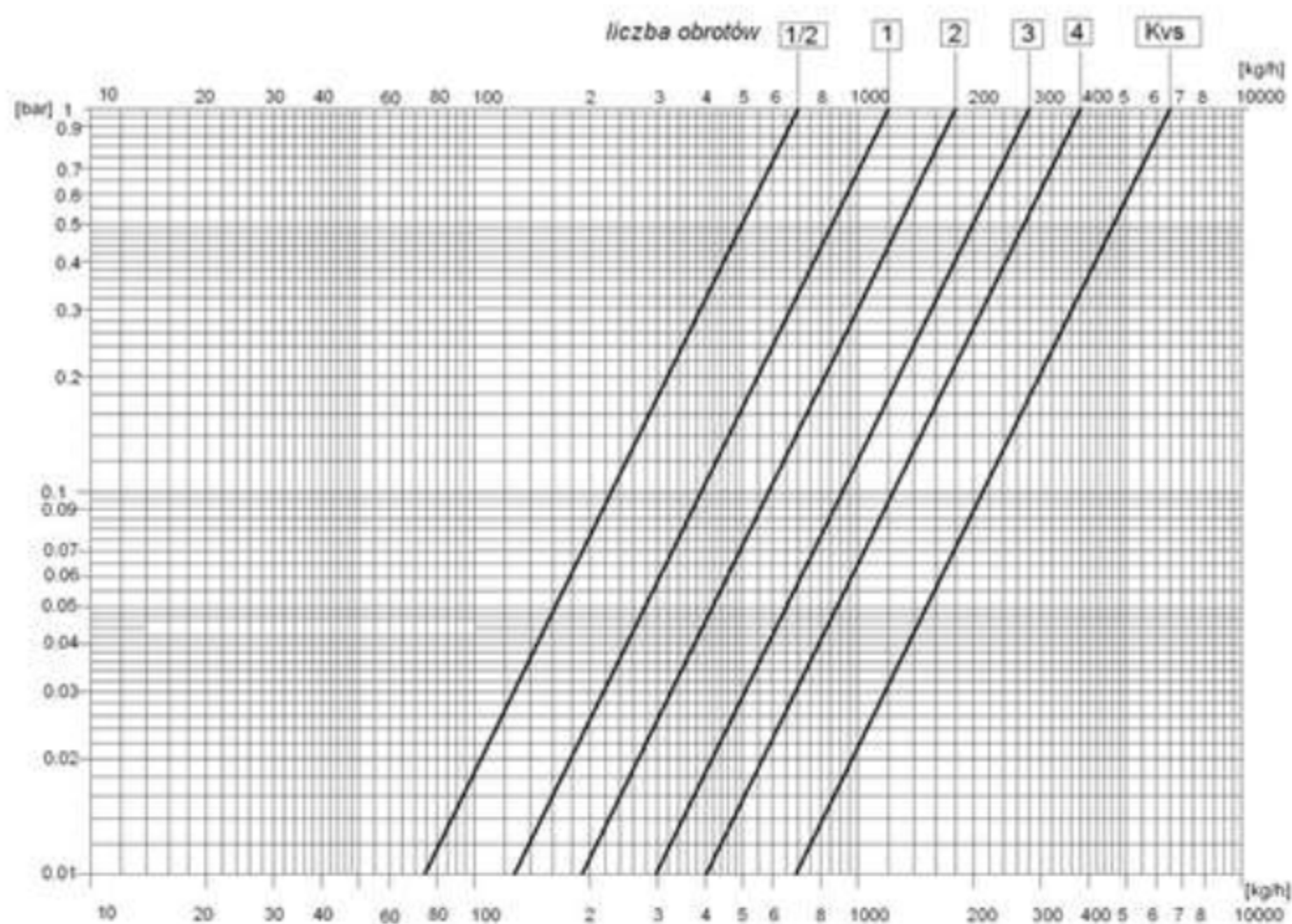
Working temperature	90 °C
Working pressure	10 bar (1 MPa)
Heating	water
Test pressure	1.5 MPa
Operating range	10 - 50 °C
Pressure drop	max. 1 bar (0,1 MPa)

RTL lux flow diagram



Difference regulation - P	10K	20K	30K	Kvs
Flow factor - Kv	0,21	0,53	0,86	1,2

Flow diagram for shut-off valve

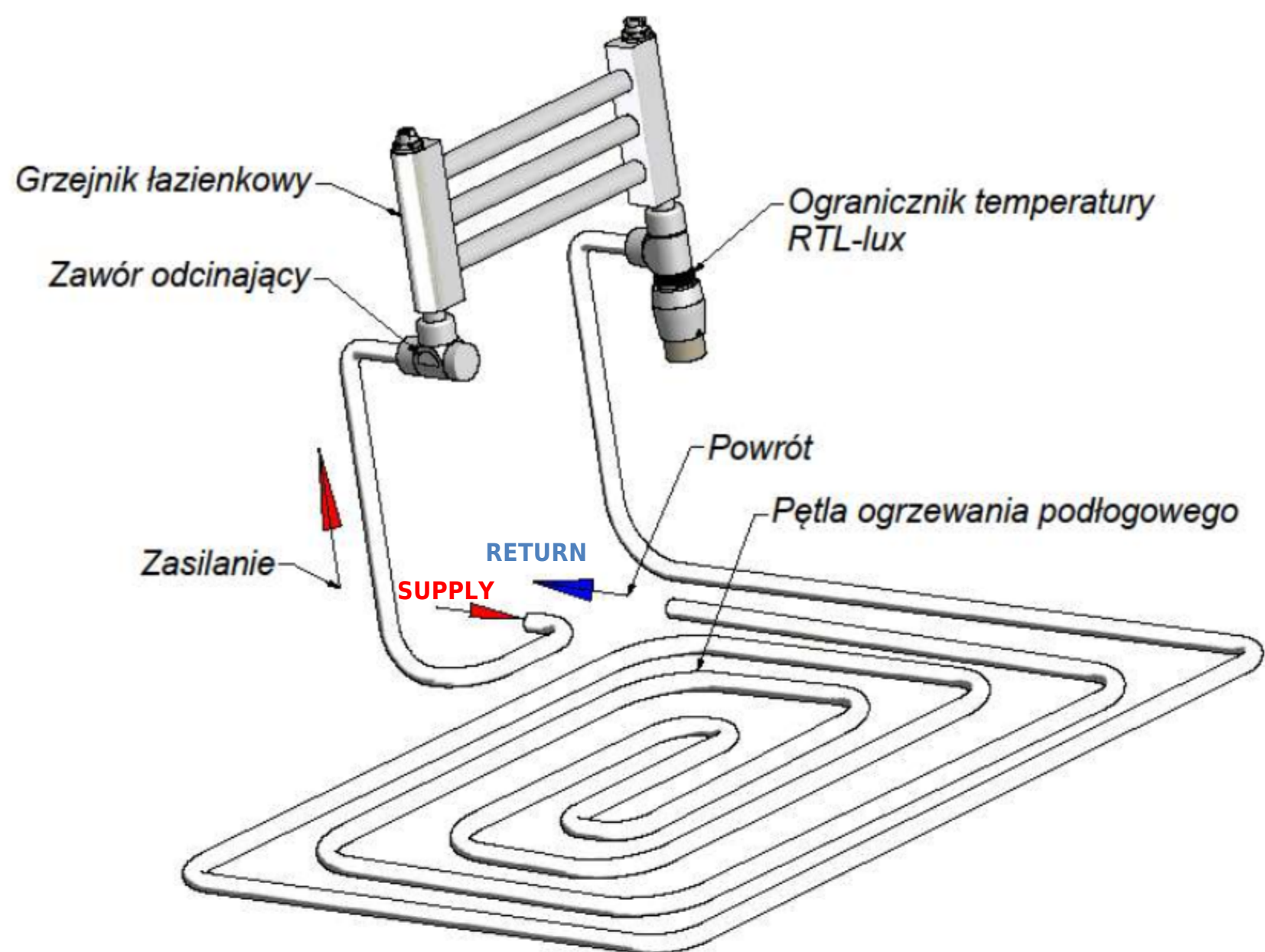


Kv value for a given number of rotations						
Number of rotations in the direction of valve opening	1/2	1	2	3	4	Kvs
Kv	0,07	0,10	0,18	0,30	0,38	0,65

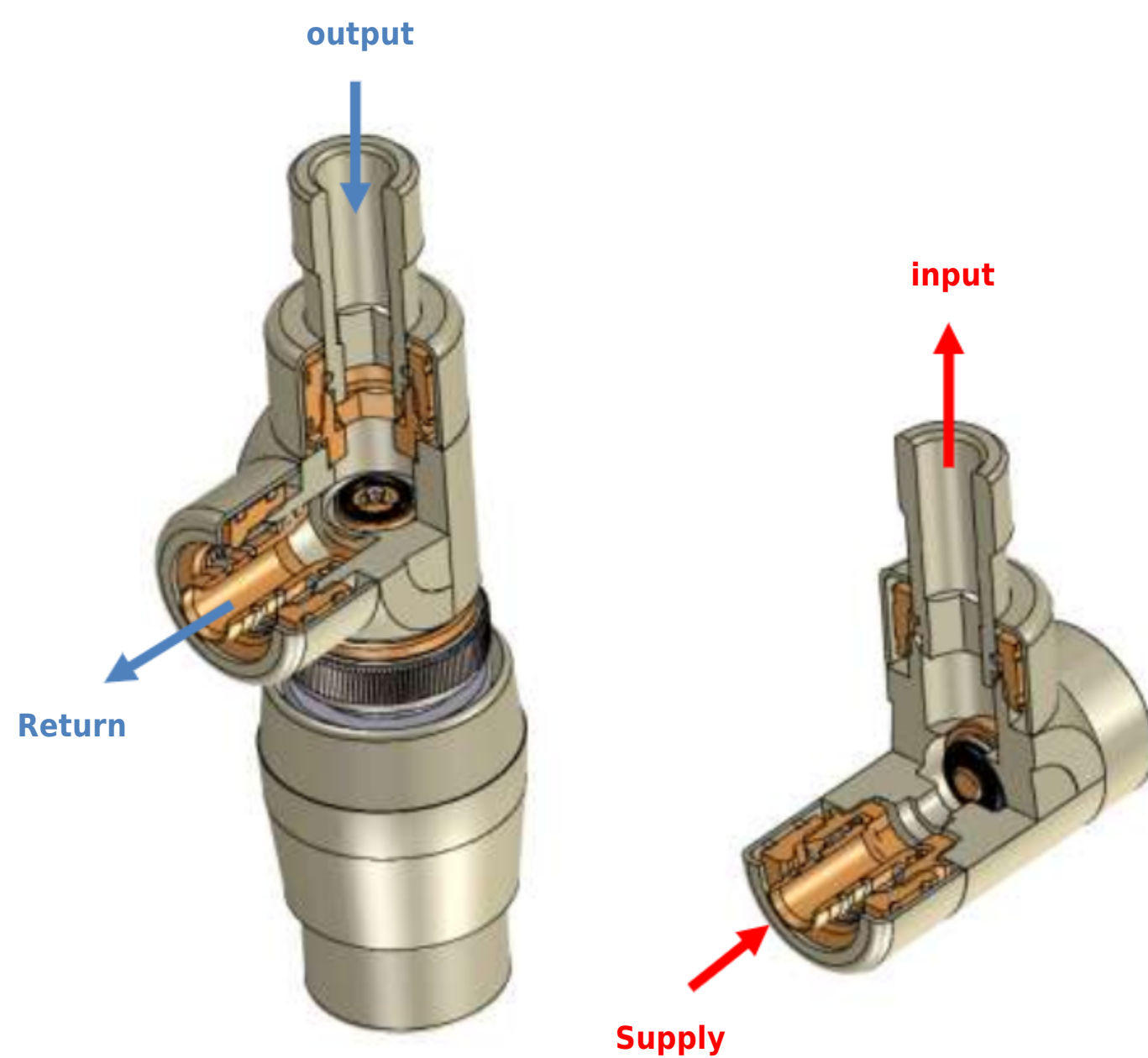
Attention:

- Install Prestige RTL heads from the return side (if the power supply is on the right, looking at the radiator, then the Prestige RTL head should be on its left side).
- Shut-off valves are factory set in 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 valve insert (**max. stop 3Nm - slight tightening**) - using an Allen key, then starting from the position closed of the valve insert, unscrew counterclockwise by the right amount to obtain the desired Kv value shown in the flow diagram above.

Correct installation of the LUX RTL connection for installation:

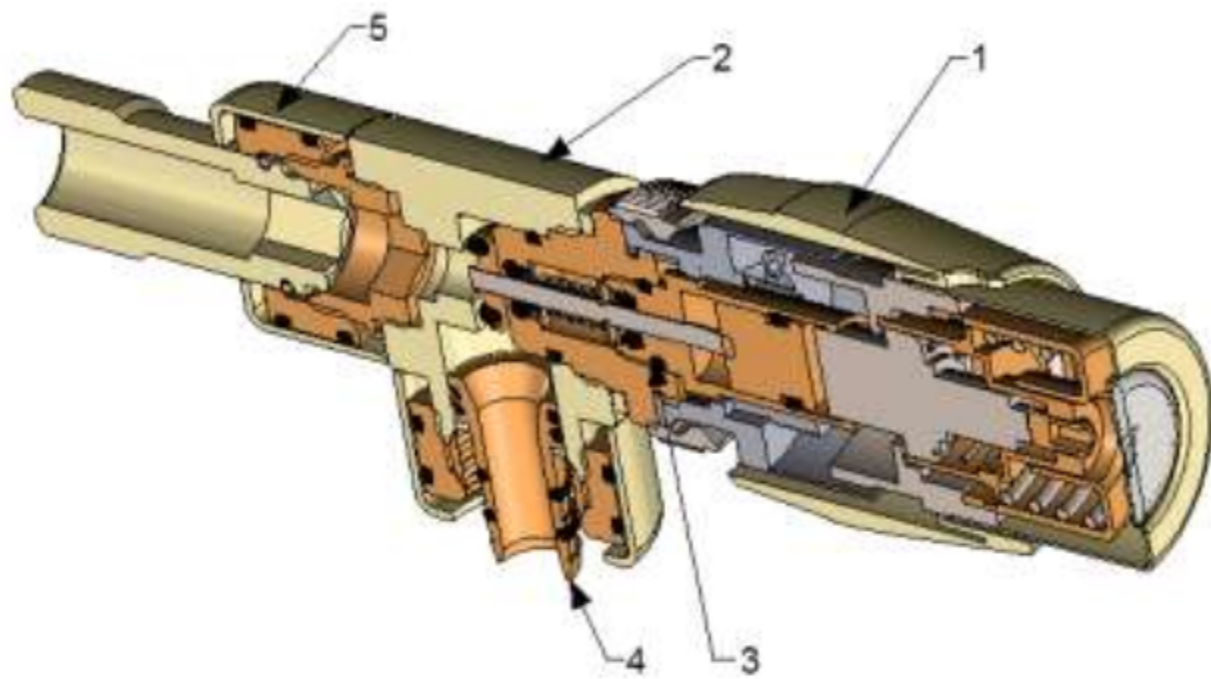


- taking into account the correct flow direction (power supply on the left)



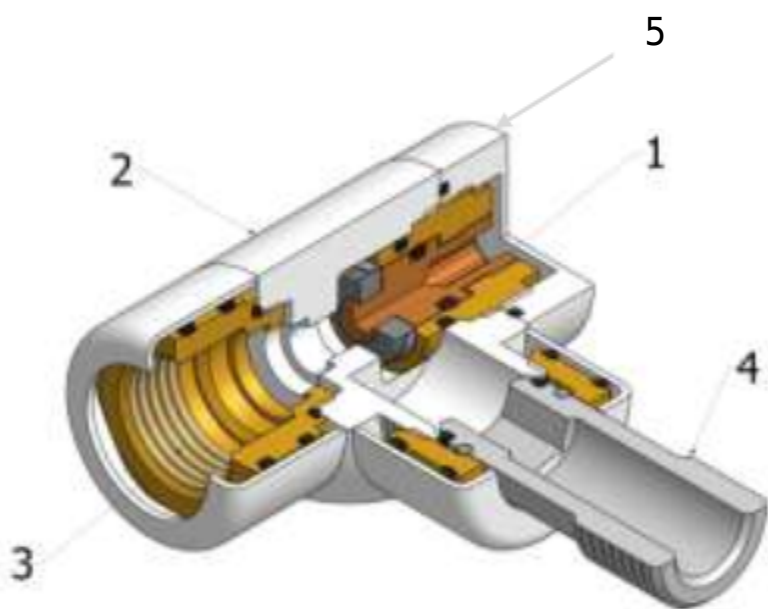
Construction of the LUX RTL set

valve + Prestige RTL limiter



1. **Temperature limiter
Prestige RTL return**
2. **LUX RTL valve body**
3. **RTL complete insert**
4. **16x2 compression fitting (*)**
5. **G 1/2 fitting**

Lockshield valve

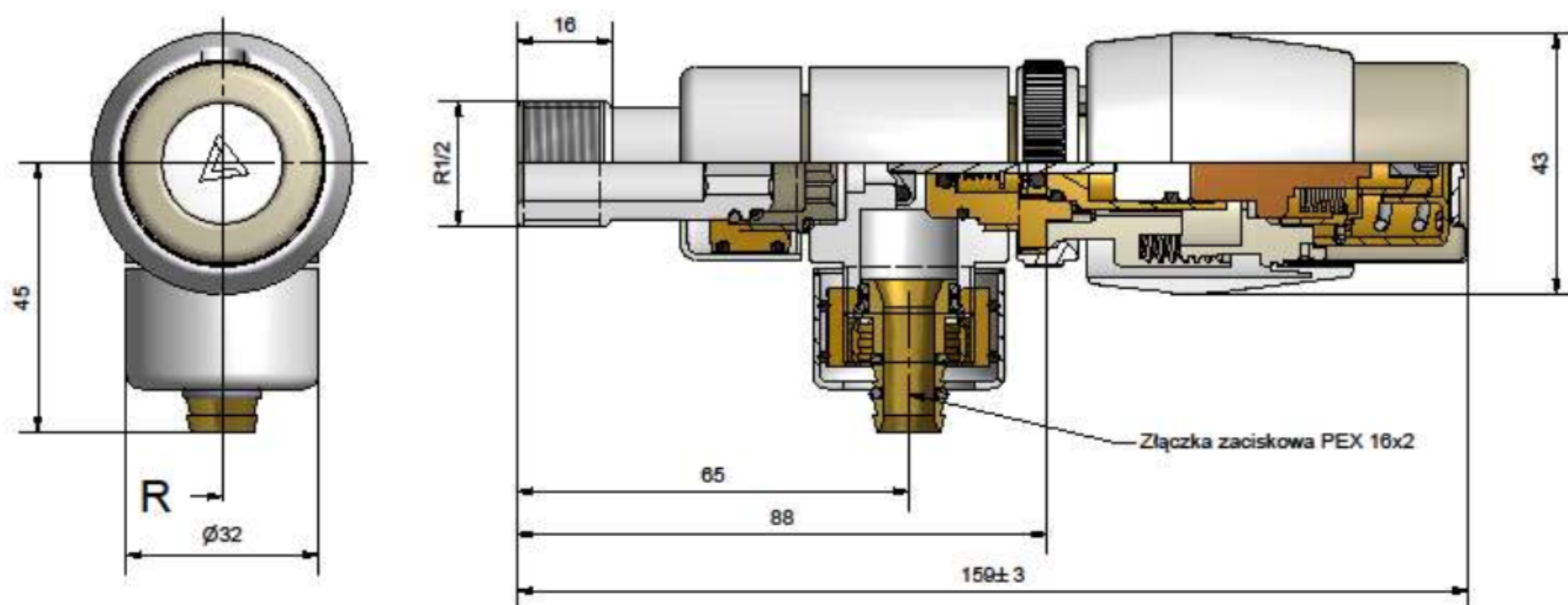


1. **Shut-off valve insert**
2. **Valve body**
3. **Rp screw 1/2 (*) connector**
4. **G 1/2**
5. **Cap**

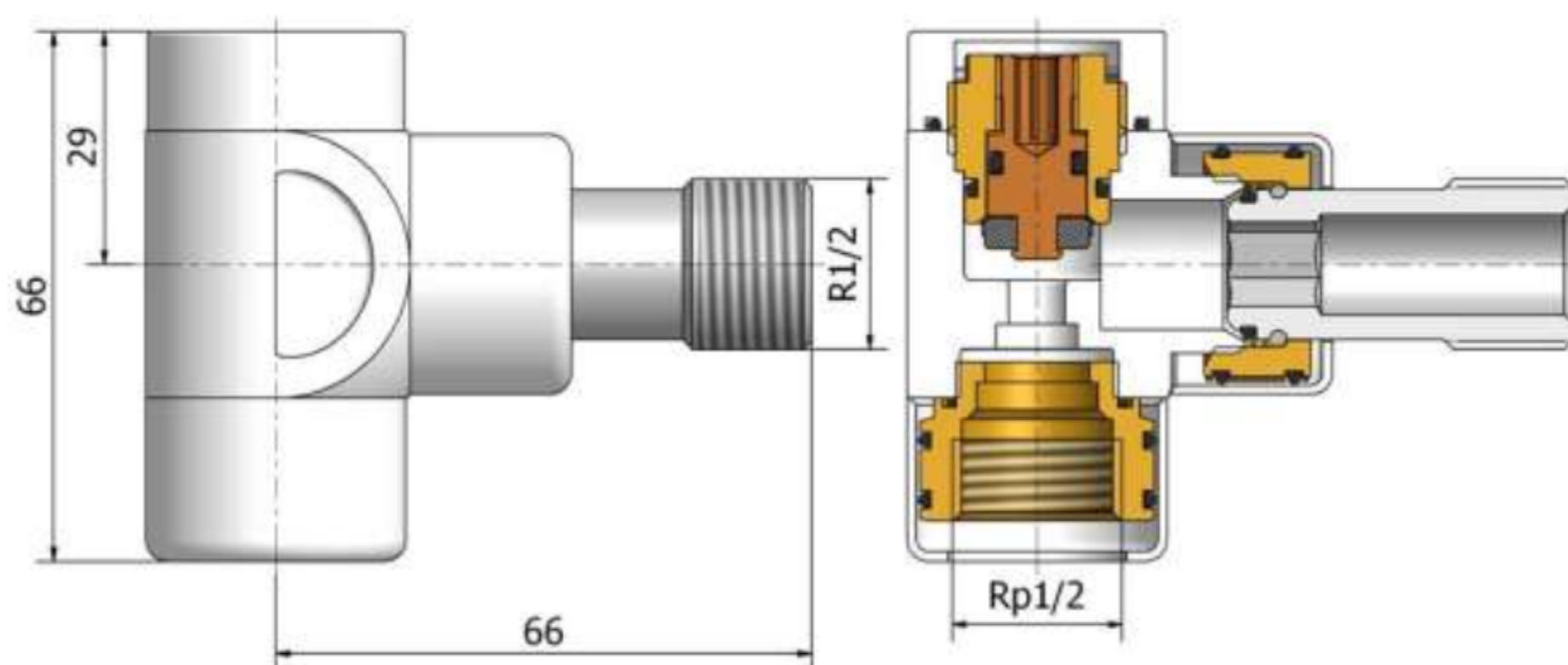
(*) - it is possible to order a valve with a 15x1 copper connector, Px 16x2 or Rp 1/2.

SIZE

LUX RTL



valve Shut-off axial valve

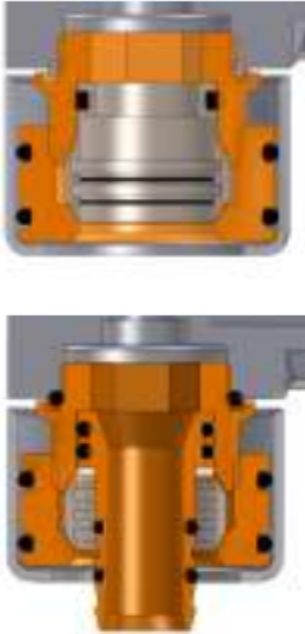






VERSIONS

All color versions are available on our website: www.varioterm.pl

CONNECTION ACCESSORIES

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

	Pex 16x2 or Cu 15x1 coupling
	Rosette masking 1/2" or 3/4"
	Extension GZ 1/2 " on GZ 1/2 " (various lengths)
	Extension GZ 1/2" on GW 1/2 " (various lengths)
	Masking sleeve for Pex / Cu pipes (various lengths)