

## DATA SHEET

### TWINS RTL connection set

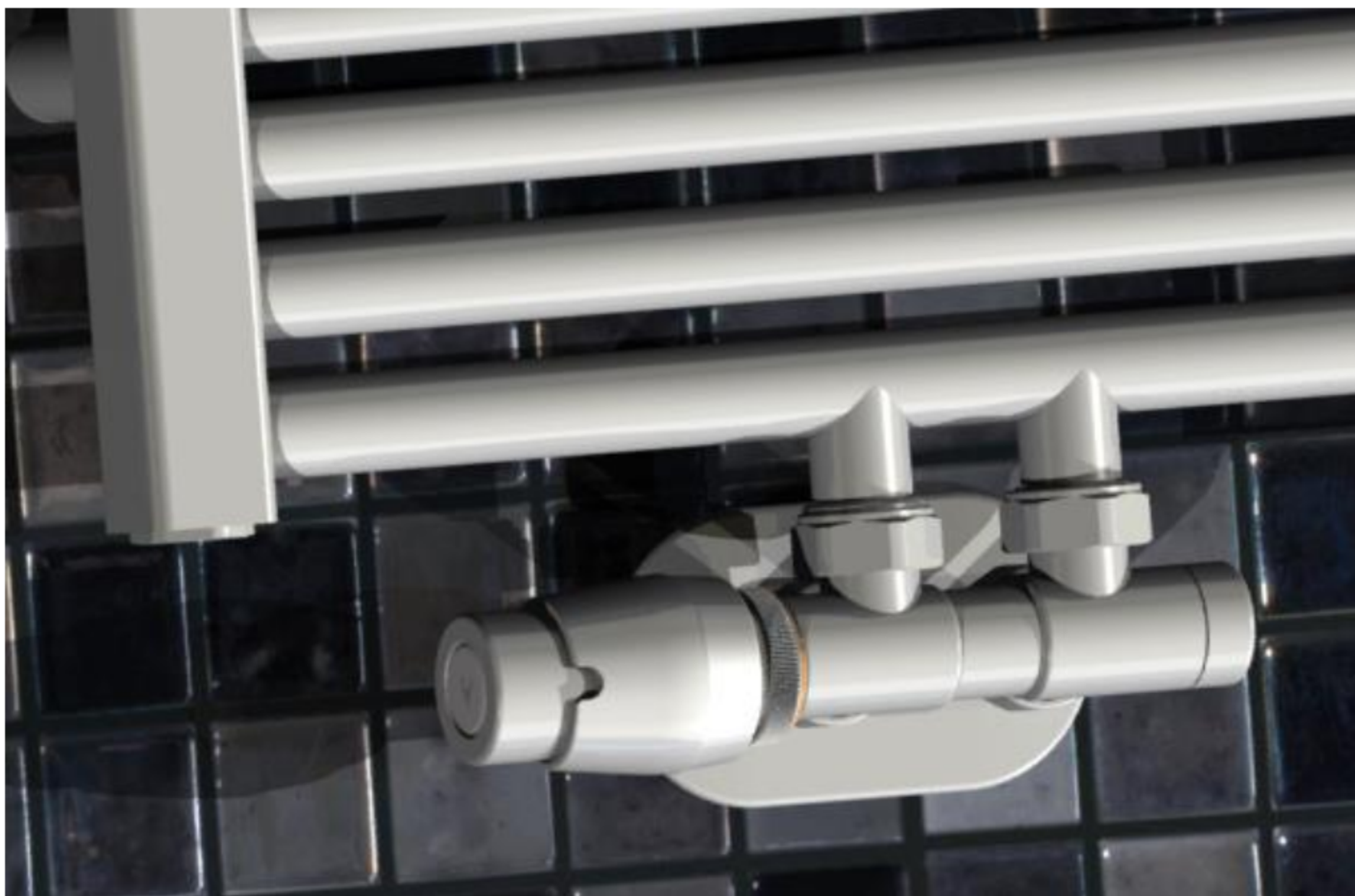


## APPLICATION

TWINS RTL connection set was specially designed for decorative and bathroom radiators with bottom connectors where distance between them is 50 mm.

This system is used in order to limit the return temperature of the radiator or to regulate the temperature of small areas of the floor heating (15 m<sup>2</sup>).

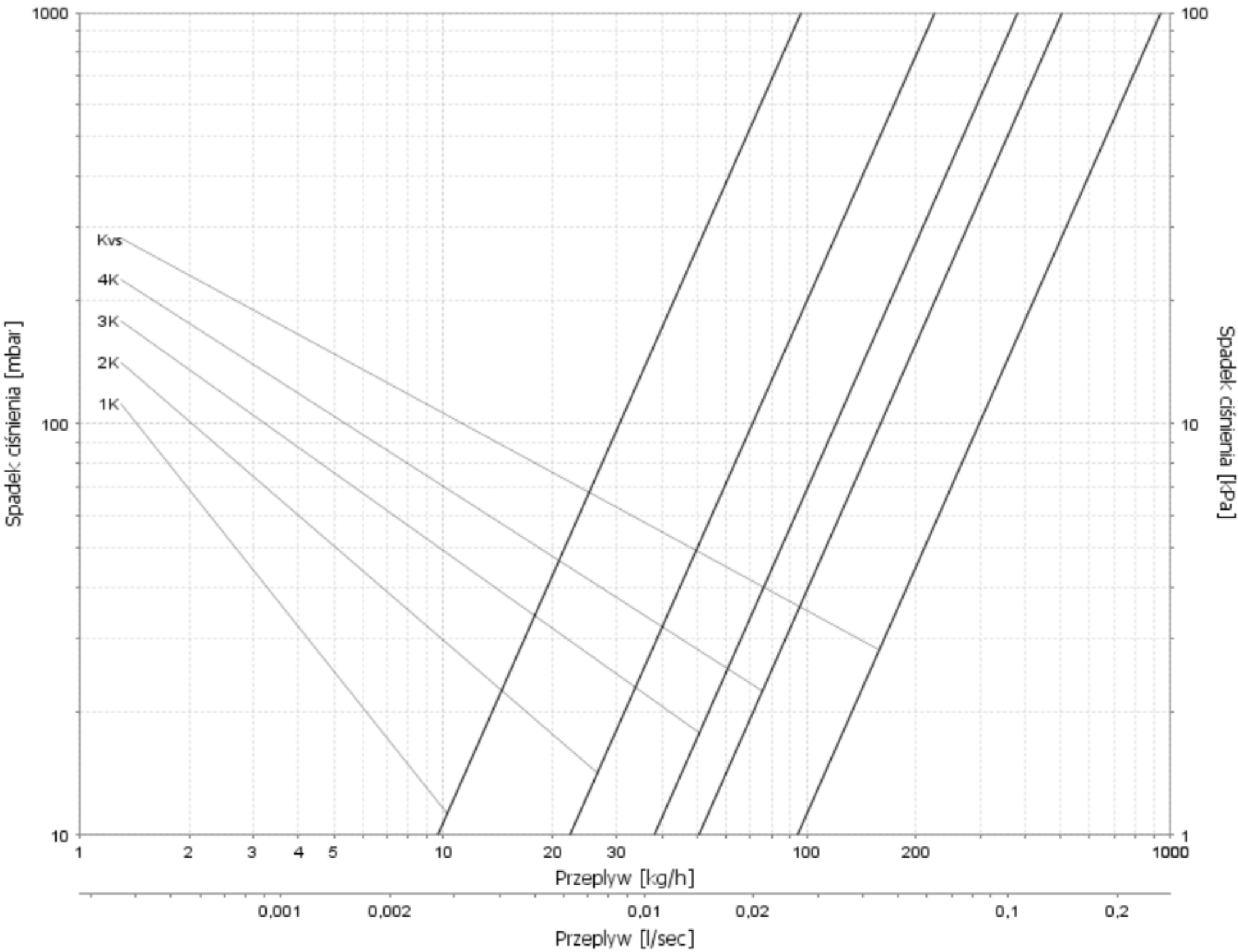
The set consists of a special TWINS RTL connection, reduction nipples and the return temperature limiter Prestige RTL which enables control of the water in the radiator ranging from 10°C to 50°C regardless of the temperature in the room. TWINS RTL connection also features a cut-off of water function. TWINS RTL design allows installation beneath the radiator with a Prestige RTL head parallel to the wall, inside the outline of the radiator, which protects it from accidental damage.



## SPECIFICATION

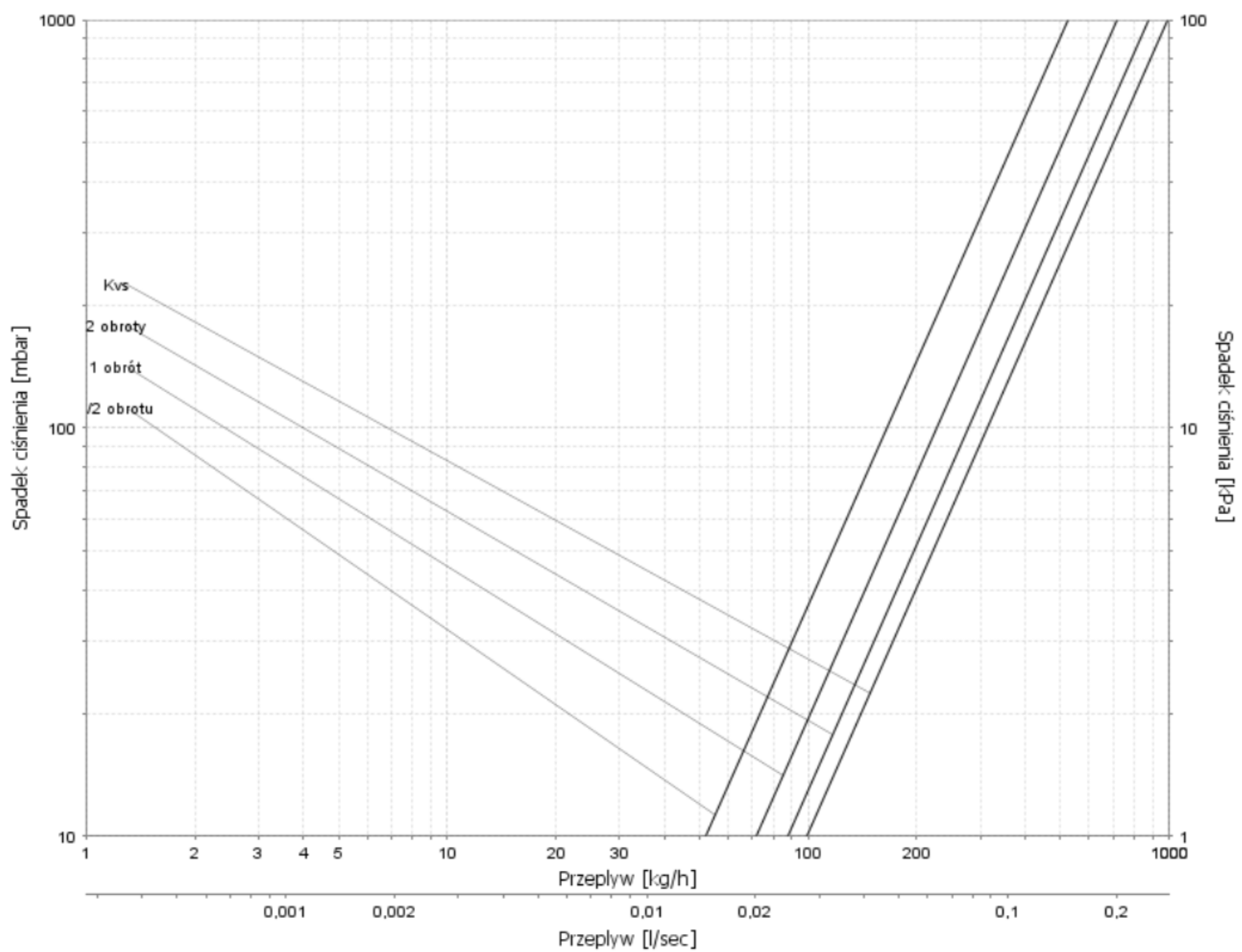
Working temperature	90°C
Working pressure	10 bar (1 MPa)
Heating factor	water
Test pressure	1,5 MPa
Operating range	10 - 50°C
Pressure drop	max. 1 bar (0,1 MPa)

Flow diagram for TWINS RTL connection (thermostatic insert)



Difference - P Flow factor	1K	2K	3K	4K	Control Kvs
Kv	0,1	0,25	0,4	0,55	0,9
Tolerance	± 10%				

Flow diagram for the TWINS RTL connection (shut-off insert)

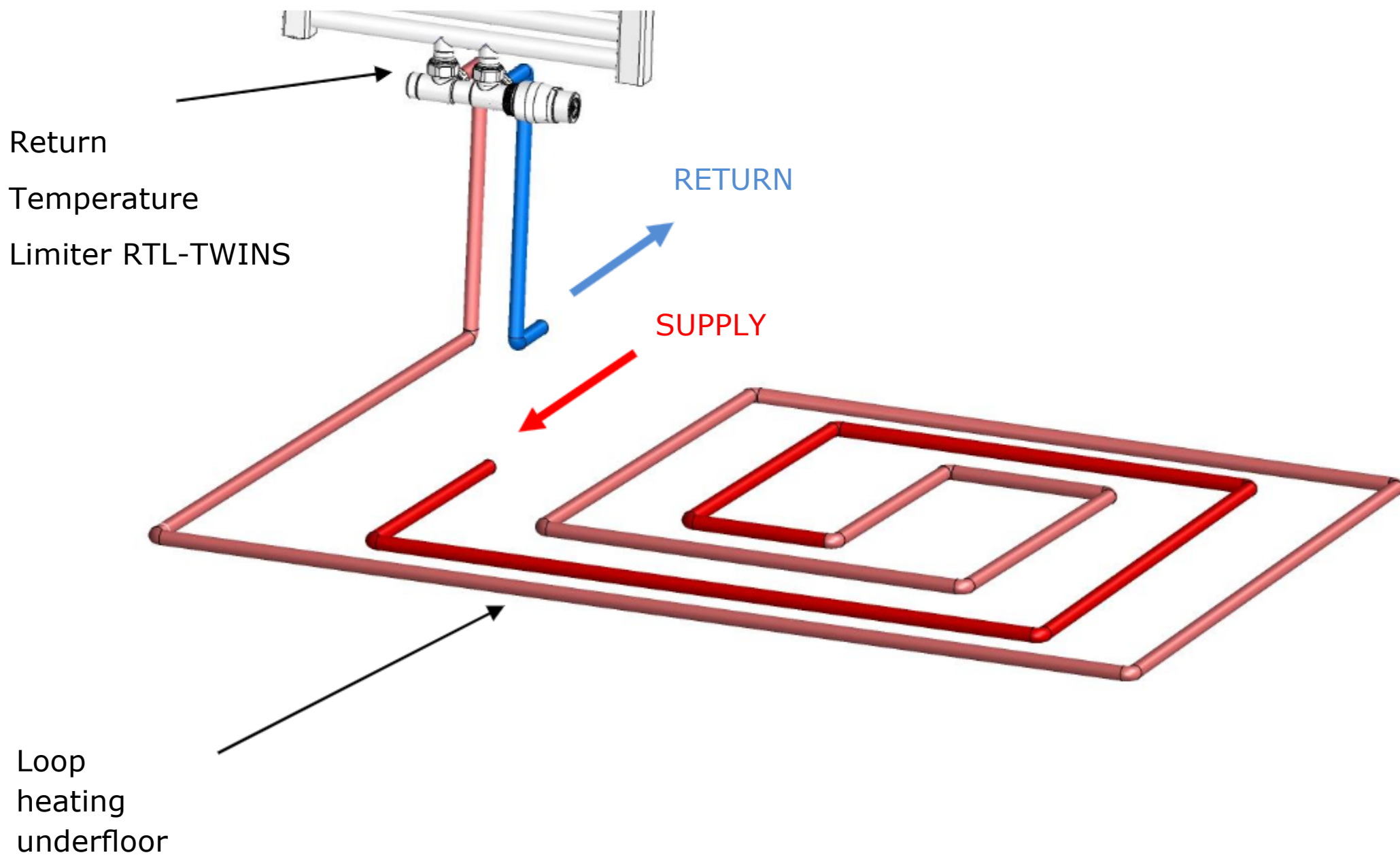


Kv value for a given number of turns				
Number of turns towards opening valve	1/2	1	2	Kvs
Kv	0,5	0,7	0,85	0,9
Tolerance	± 10%			

## Attention

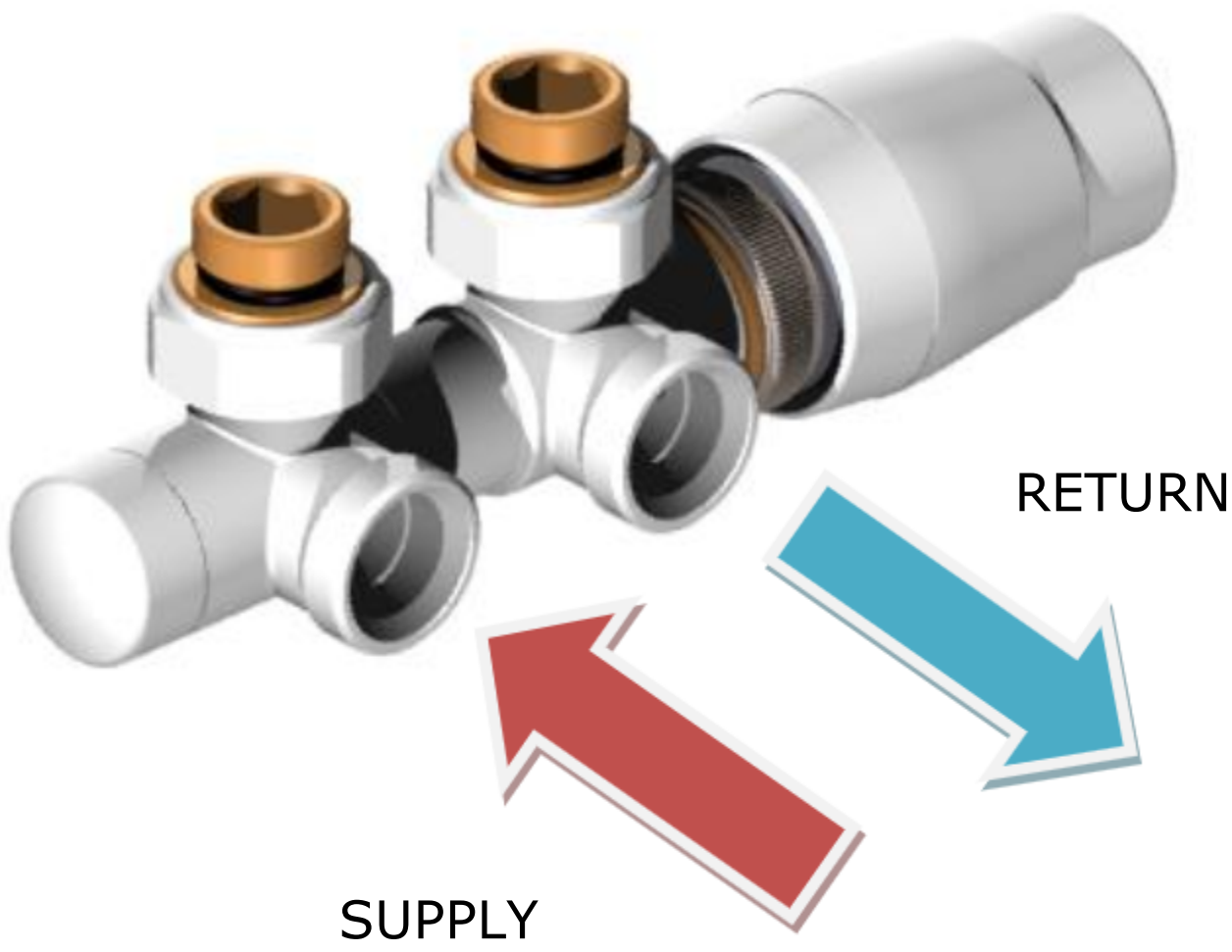
- RTL Prestige heads should be mounted from the return side (if the supply is on the right side, looking at the radiator, the RTL Prestige head should be on the left side).
- TWINS RTL connections are pre-set in the open position.
- Pre-setting of the TWINS RTL connection is via valve inserts. To change the initial setting, you must first turn off the valve insert, and then, starting from the closed position turning left the exact number of rotations, unscrew the valve insert to the desired Kv value shown on the diagram above.

### Proper installation of connections TWINS RTL for installation:

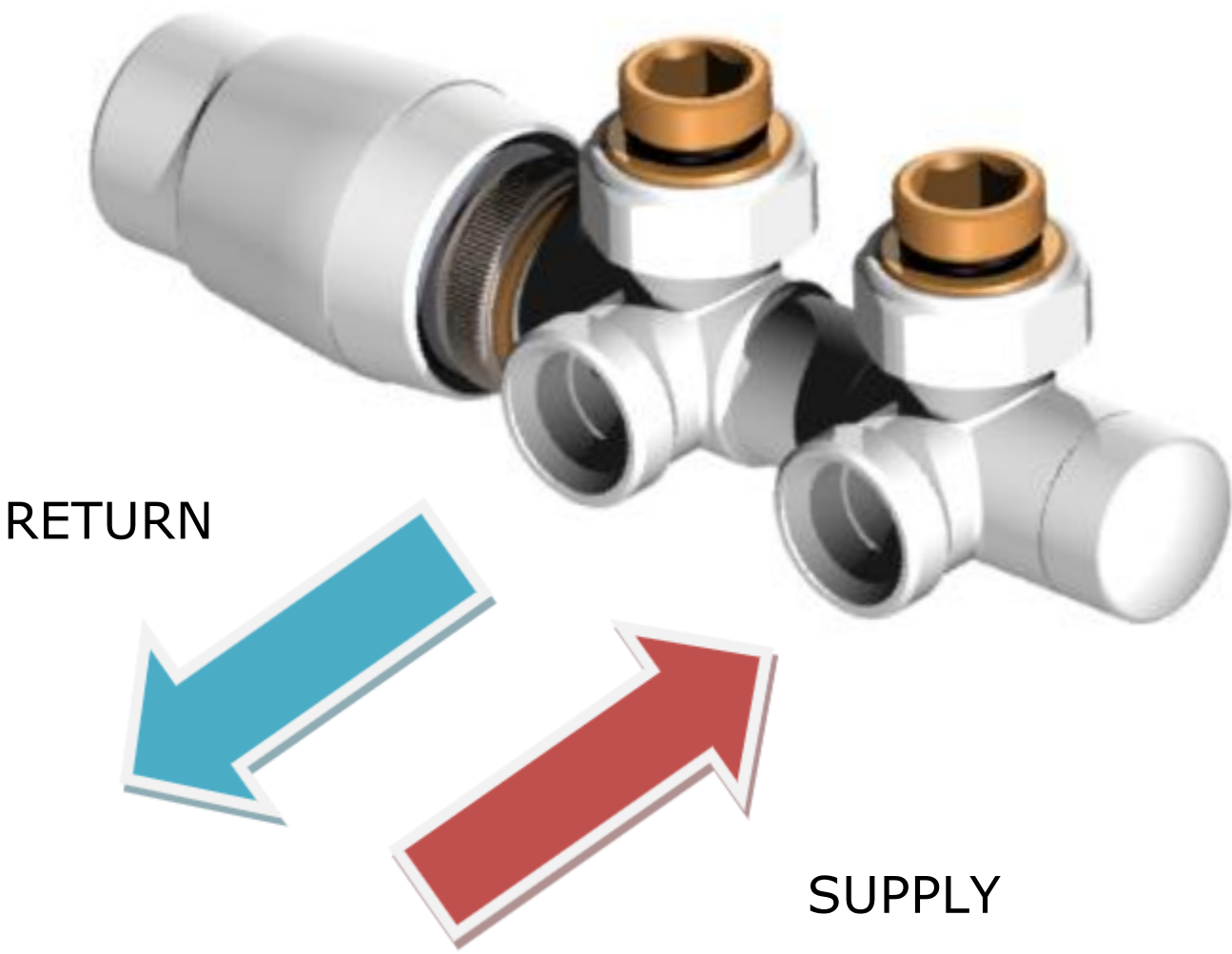




- LEFT version

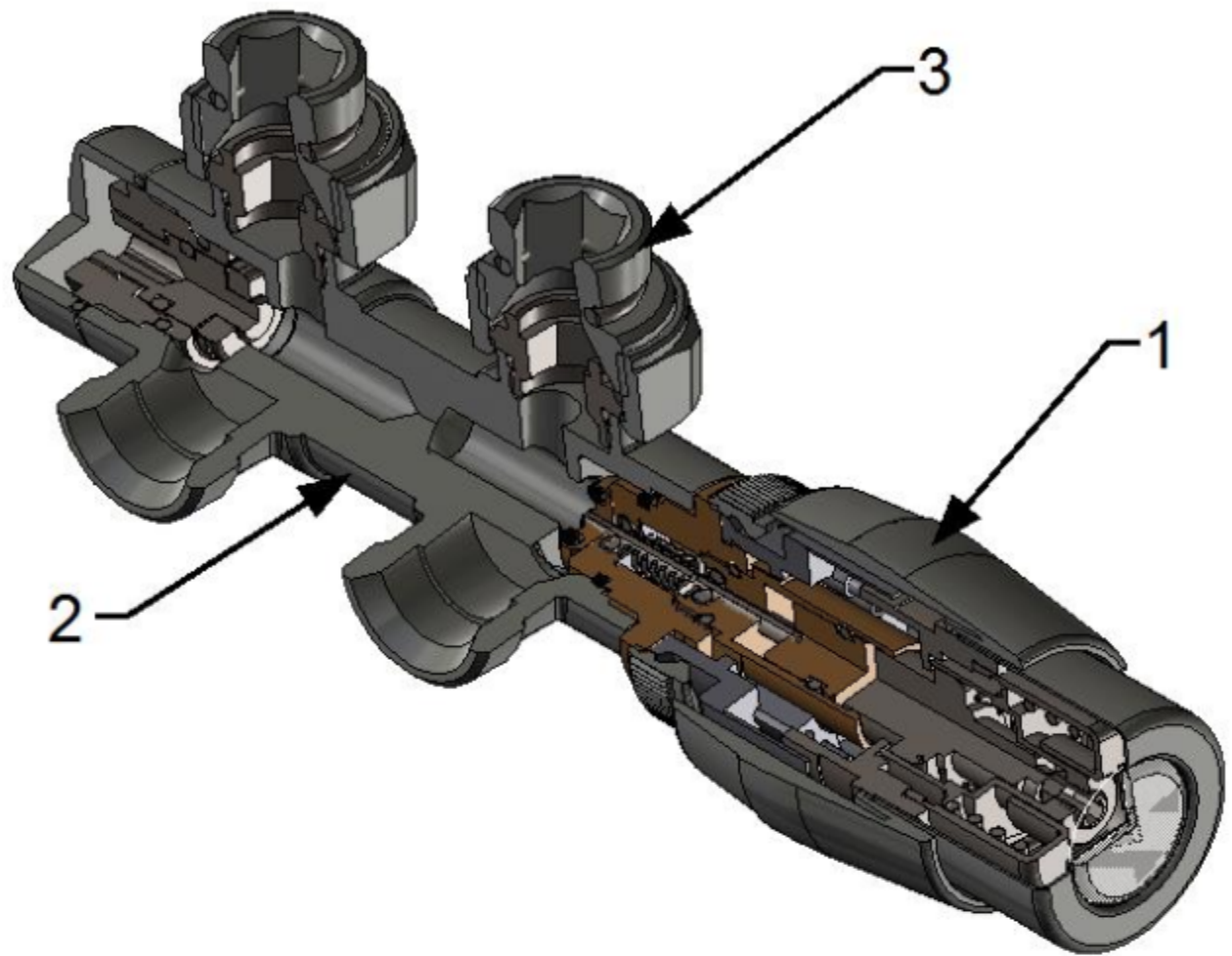


- RIGHT version

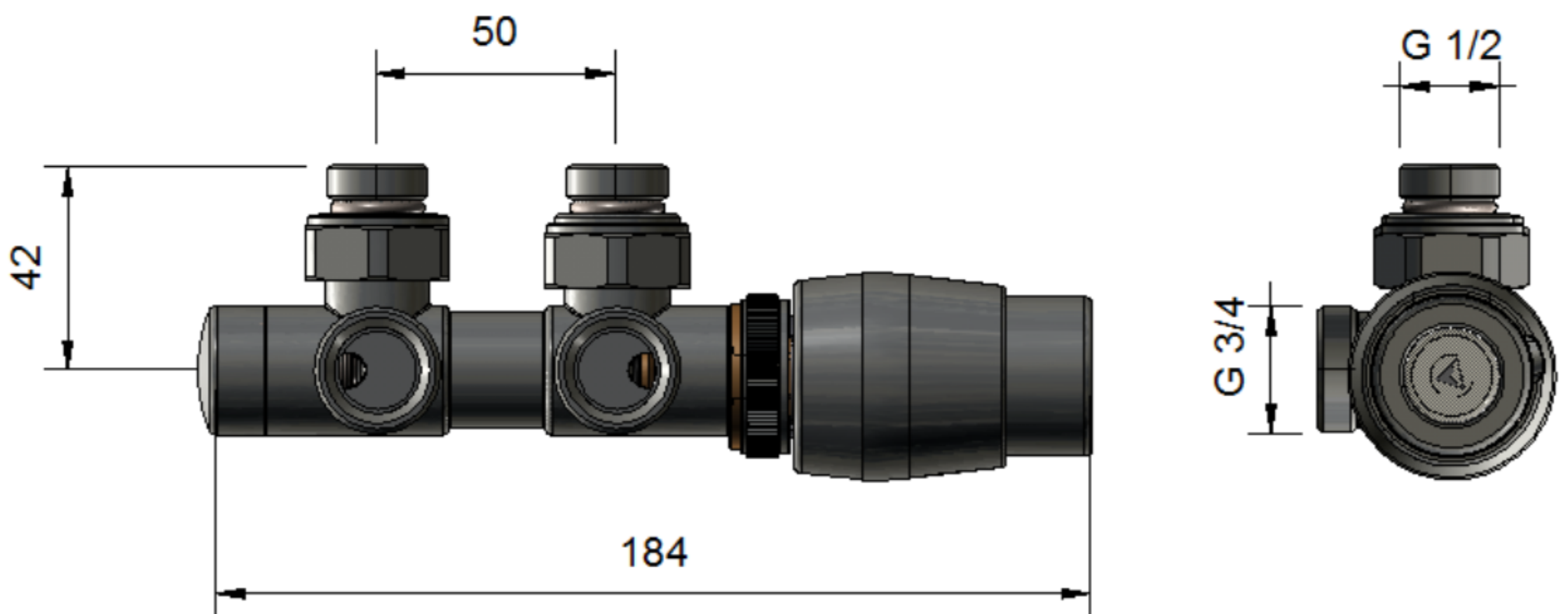


## Design and working of TWINS RTL connection

1. Return Temperature Limiter
2. TWINS RTL connection
3. Reduction nipples



## SIZES

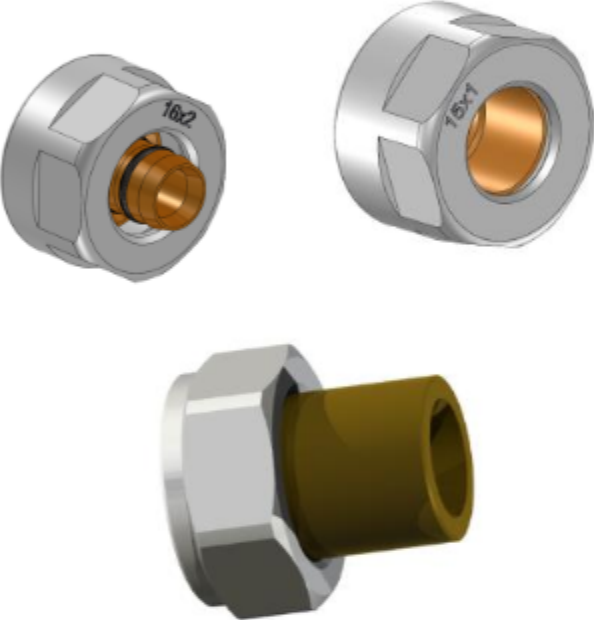



# VERSIONS

All color versions are available on our website [www.varioterm.pl](http://www.varioterm.pl)

## CONNECTION ACCESSORIES

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

	<p>Pex 16x2, Cu 15x1 adapters and connector R1/2</p>
	<p>Double 1/2" masking rosettes, 50mm spacing</p>
	<p>Pex / Cu tube masking sleeve tubes (various lengths)</p>