

DATA SHEET

UNICO control connection

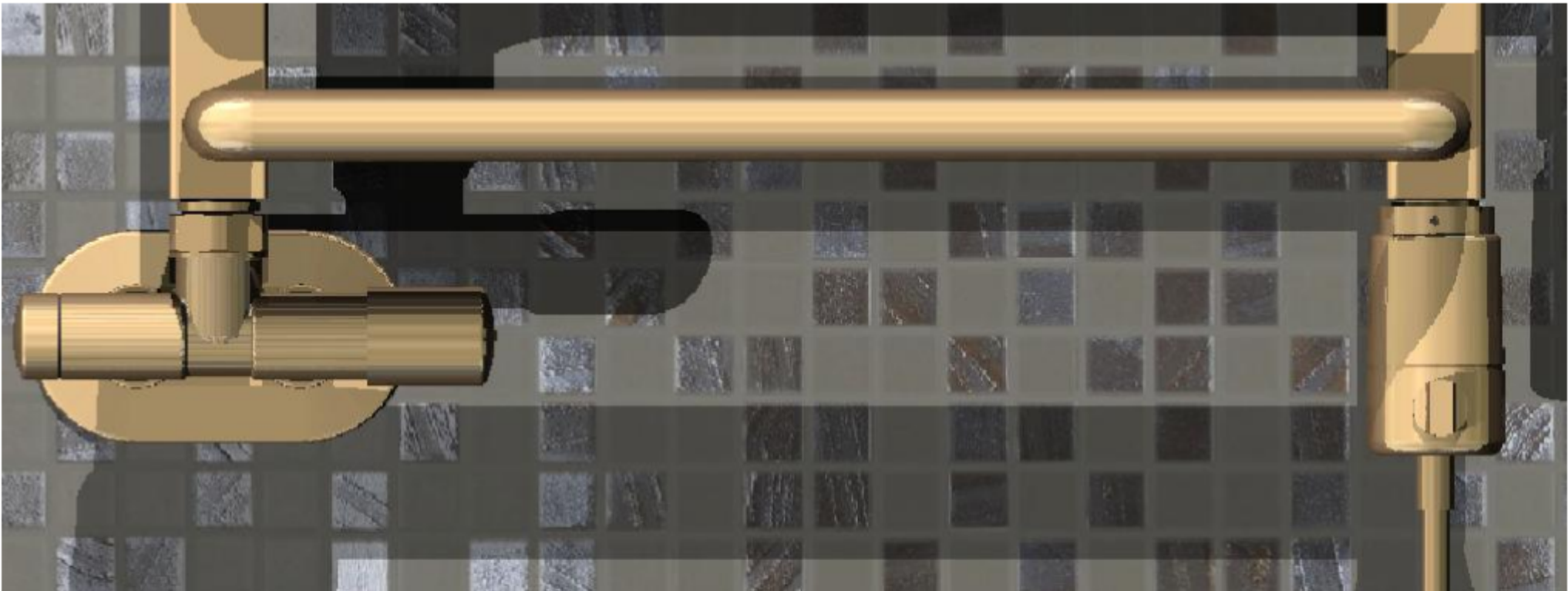


APPLICATION

UNICO connection was specially designed for decorative and bathroom radiators with vertical collectors. It allows application of an electric heater in the radiator that can be used in summer to heat it and as a dryer. Distance between the connection and installation is 50 mm.

Using the manual control, which is mounted on a radiator's lockshield side, we can easily adjust the amount of water flowing into the radiator. By increasing the amount of hot water supplied to the radiator the valve raises the temperature in the room, and by reducing it lowers the temperature. This regulation allows to maintain a comfortable room temperature regardless of weather conditions outside, while contributing to a significant reduction in heating costs by reducing energy consumption.

Lockshield valve is mounted on a radiator' supply side. It provides a precise balance of each radiator circuit, which improves heating comfort and better performance of the valves.



TECHNICAL DATA

Working temperature	120 °C
Nominal pressure	1MPa
Heating factor	water
Test pressure	1.5 MPa
Pressure difference	0.06 MPa
Hysteresis	0.3 °K
Initial setting	on lockshield valve insert

Initial settings and their corresponding Kv coefficients for lockshield valves

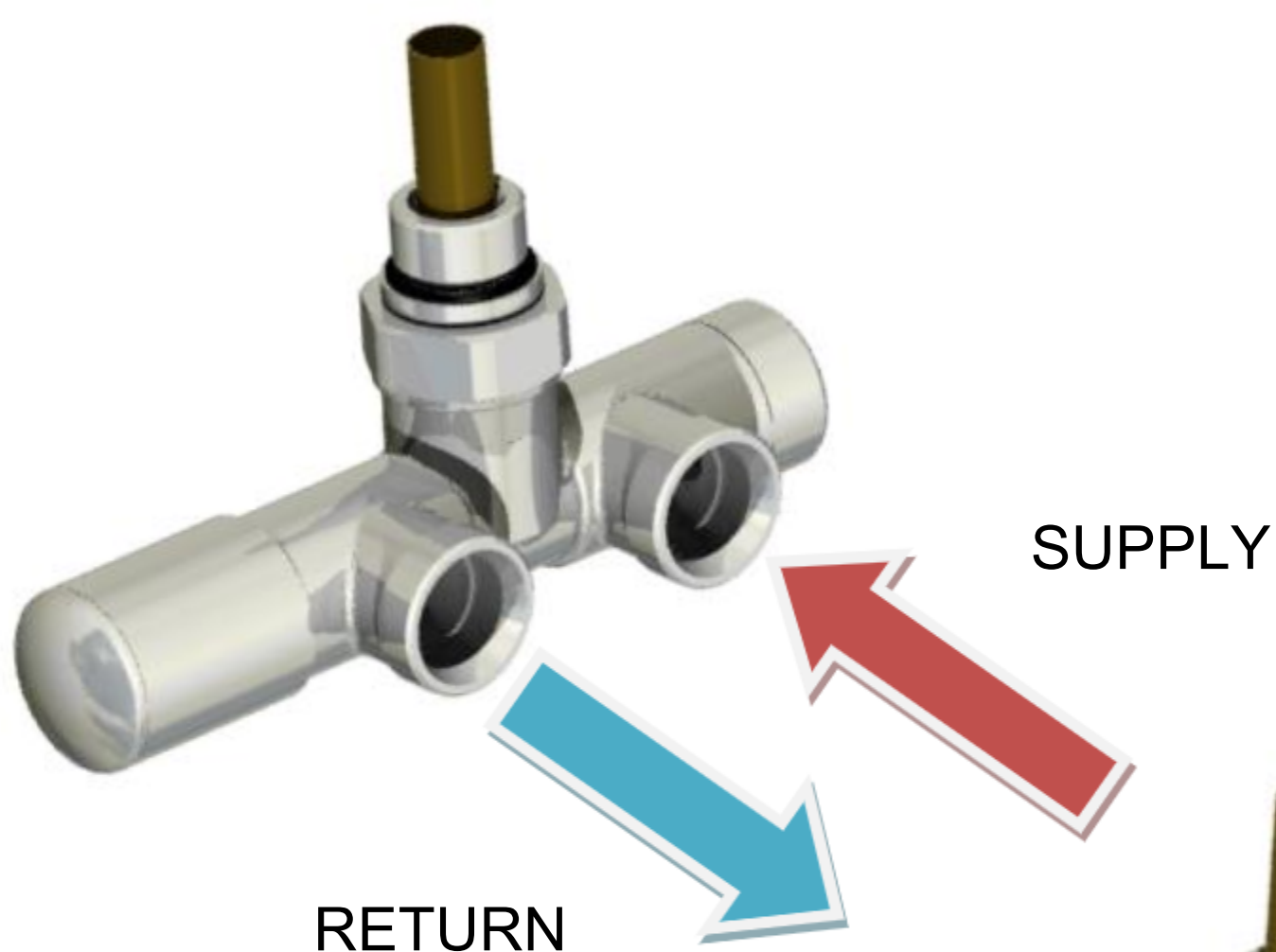
Number of rotations	2.1	1	2	3	4	5
Kv	0,1	0,16	0,28	0,36	0,57	0,87

Attention:

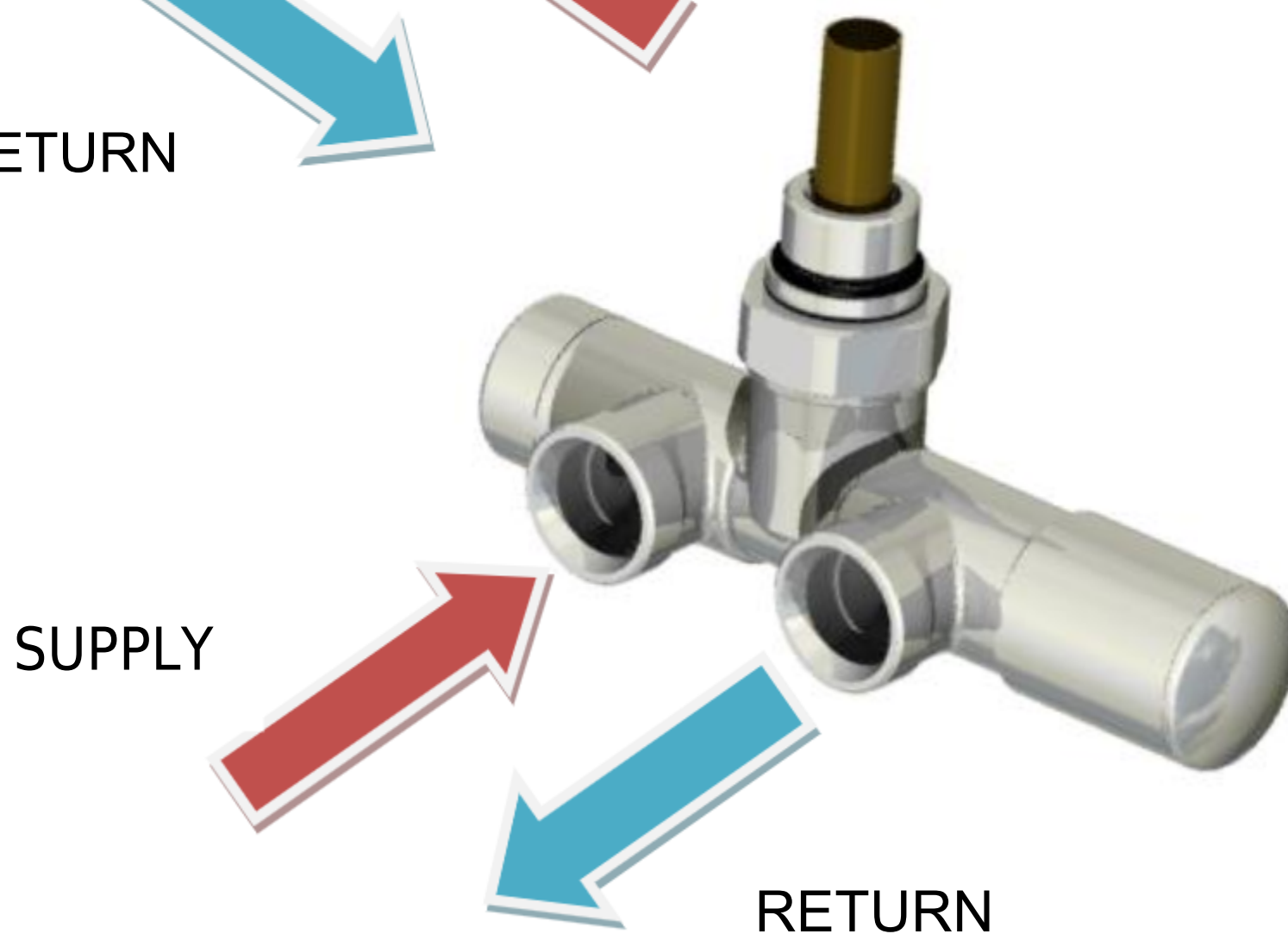
- UNICO connections are pre-set in the open position.
- Pre-setting of the UNICO connection is via valve inserts. To change the initial setting, you must first turn off the valve insert (**max. 3Nm - slight screwing**), and then, starting from the closed position turning left the exact number of rotations, unscrew the valve insert with a key. The method of presetting the return valve on the insert is a very convenient way to reduce the flow and is recommended by the manufacturer.

Proper installation of UNICO connection:

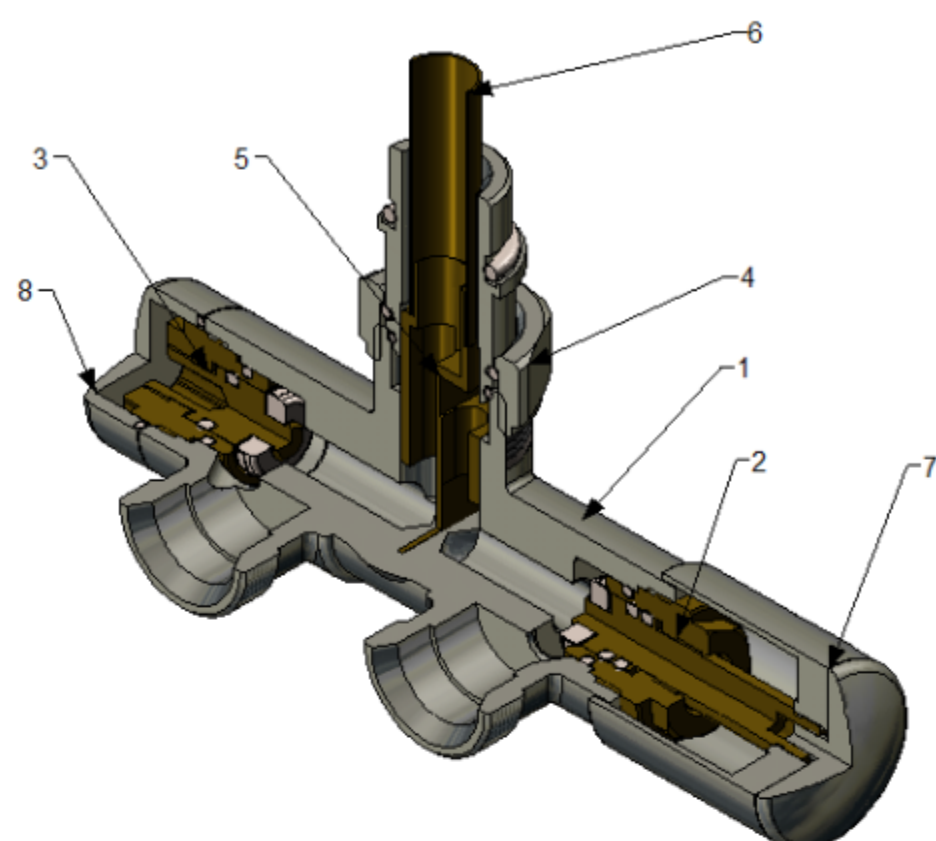
- **RIGHT** version



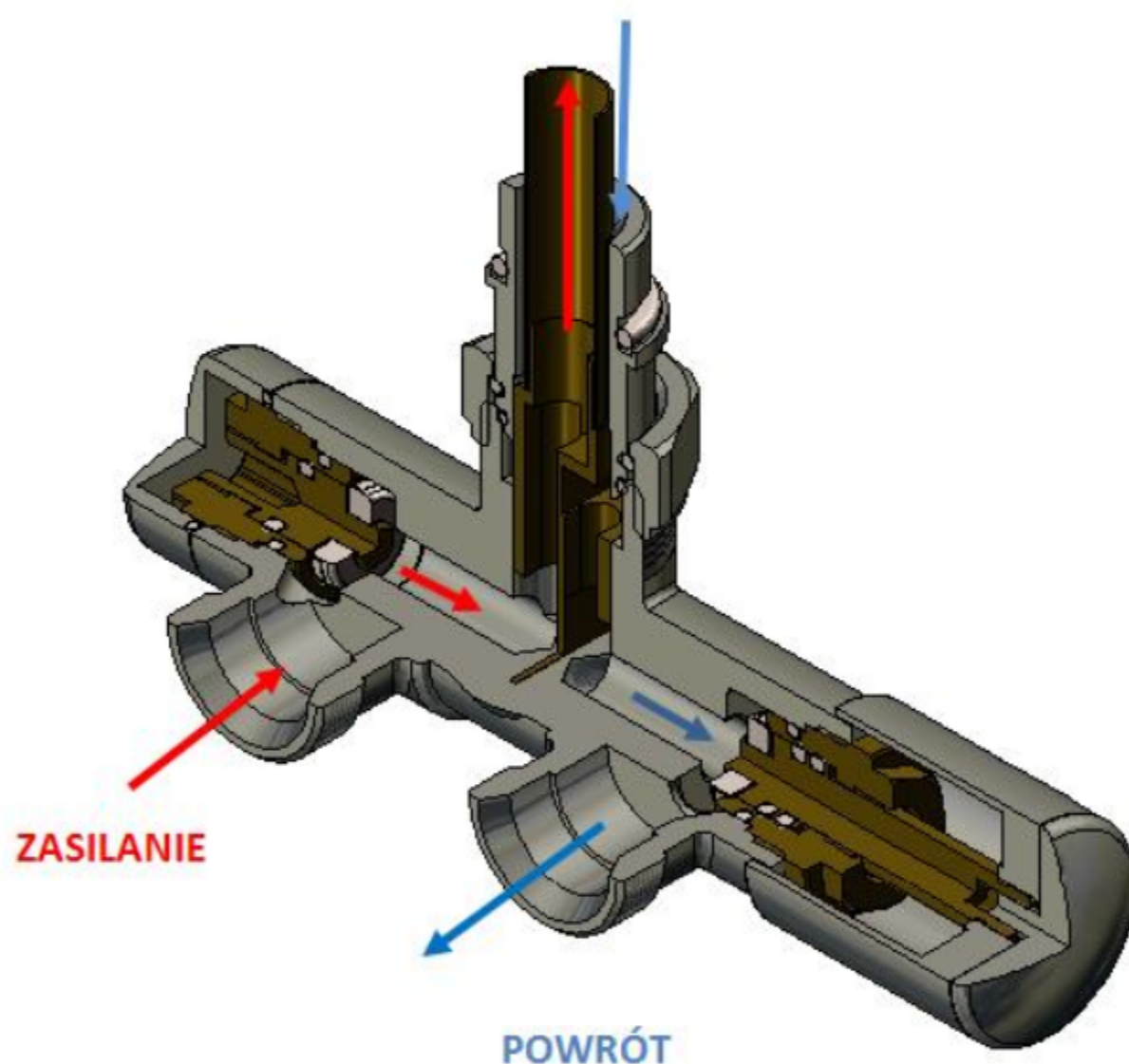
- **LEFT** version



Design and working of UNICO connection

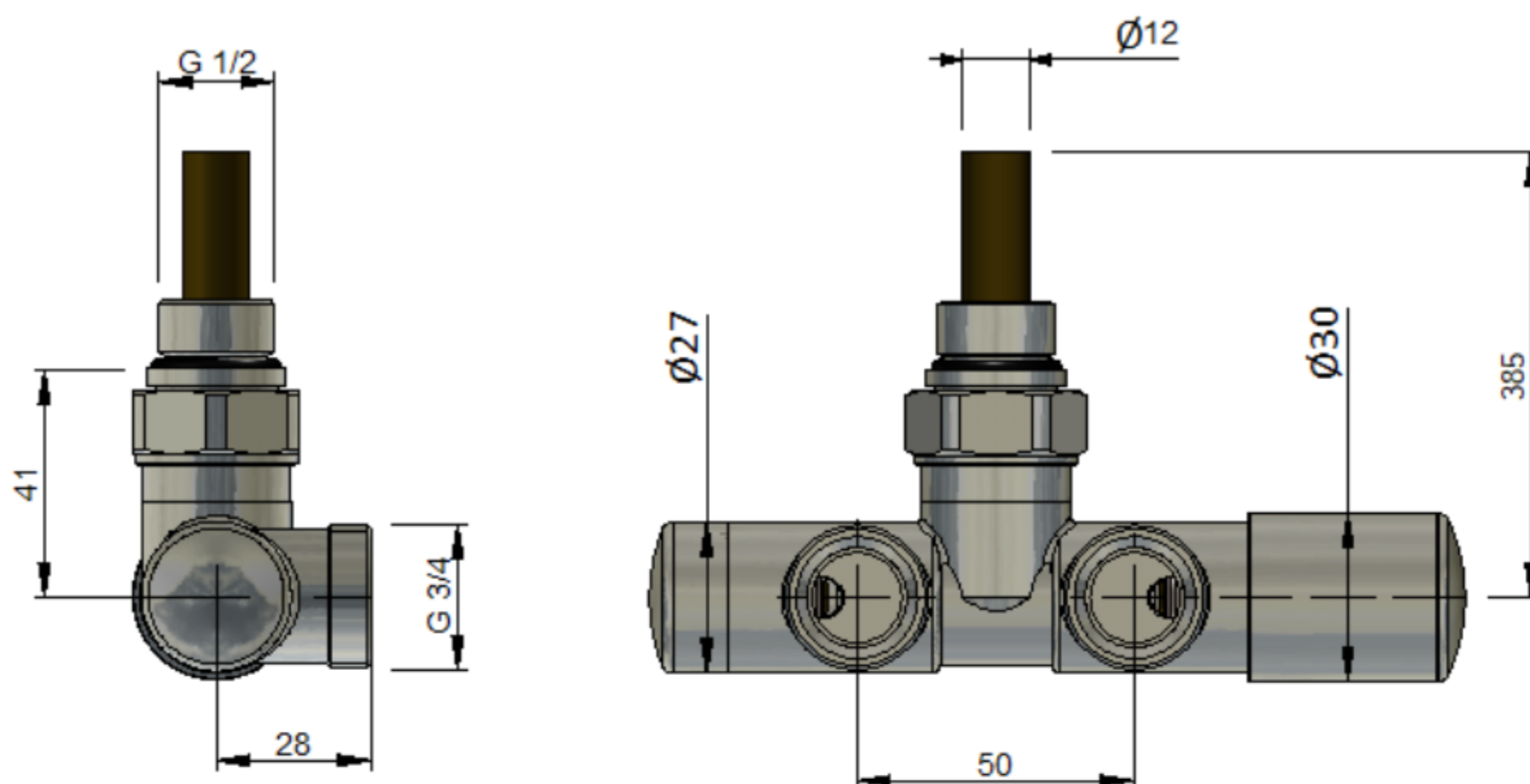


1. UNICO connection body
2. Control valve insert
3. Lockshield valve insert
4. G 1/2 screw plug
5. Separating sleeve
6. Directional tube
7. Regulating knob
8. Cap



The flow of water supplying the radiator is connected via a return valve and directed to the separating sleeve connected with a directional tube which directs it into the upper zone of the radiator. The return flow of water takes place on the outer surface of the separating sleeve and is directed towards the thermostatic valve insert and then to the connecting socket of the central heating installation.

DIMENSIONS






PERFORMANCE

All color performance available on www.varioterm.pl

connection accessories

(useful for connecting the valve and aesthetically attractive installation)

	<p>Adapters Pex 16x2, 15x1, Cu and connector R 1/2</p>
	<p>Rosette masking double ½ " with 50 mm spacing</p>
	<p>sleeves masking tube Pex / Cu (various lengths)</p>