

## Minimix 3- and 4-way mixing valves



### MINIMIX 3-way mixing valve

The Minimix 3-way mixing valve is used to regulate the supply water temperature in central heating systems. The required supply temperature is achieved by mixing the system's supply medium with the return medium. The optimal way to install the pump in a system with a mixer is on the mixed medium side (to prevent the pump from operating on the completely closed side).



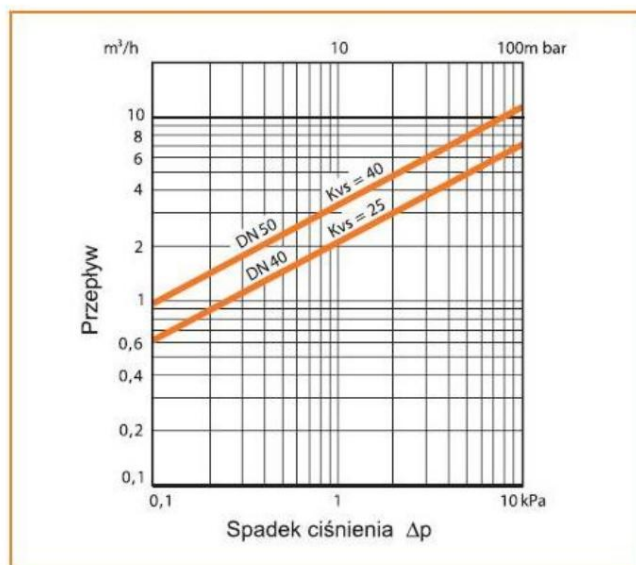
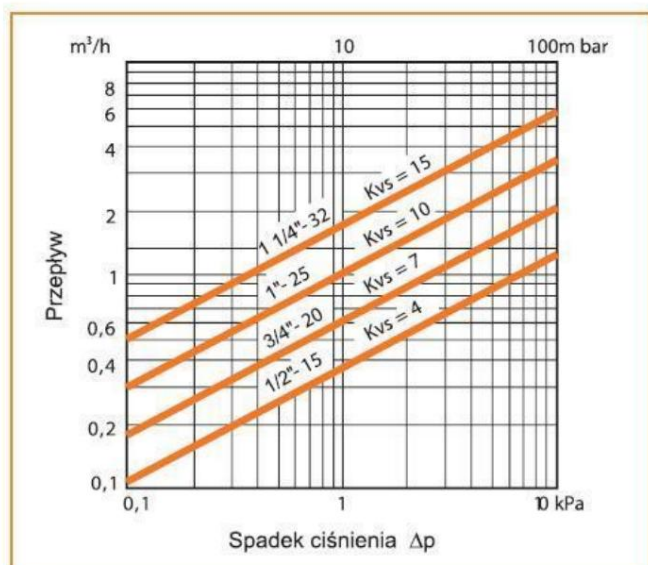
### MINIMIX 4-way mixing valve

The Minimix 4-way mixing valve is used to regulate the temperature of the supply water in the installation and its additional advantage is that it increases the temperature of the medium returning to the boiler, thanks to which the heating boiler is additionally protected against corrosion.

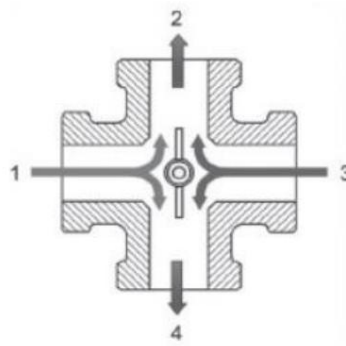
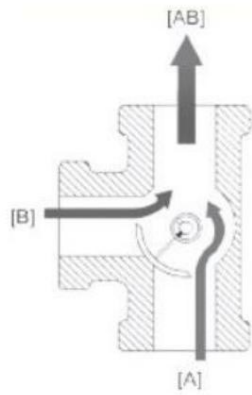
### Technical data

Body, cover:	Ms58 brass
Diameter range:	GW 1/2" - GW 2"
Max working pressure:	10 bar
Medium:	water or water-glycol
Max medium temperature:	110 °C
Rotation range:	90°
Shaft seal:	2 ÿ EPDM O-ring
Cover seal:	EPDM O-ring
Characteristic:	equal percentage
Flow leak:	up to 1%
Handle with scale:	plastic
Co-actuator:	SM 4.6 (6 Nm) for diameters 1/2" - 1 1/4" SM 4.10 (10 Nm) for diameters 1 1/2" - 2"

### Flow characteristics:



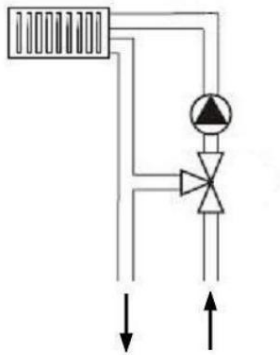
**Mixing valve operation diagram:**



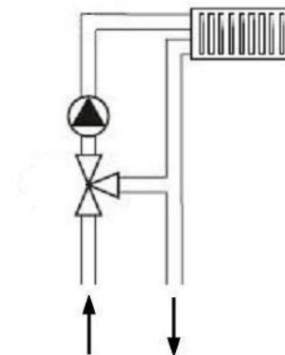
- 1. zasilanie z kotła
- 2. zasilanie instalacji
- 3. powrót z instalacji
- 4. powrót do kotła

**Example installation diagrams with a 3-way mixing valve**

Left media return (factory setting)

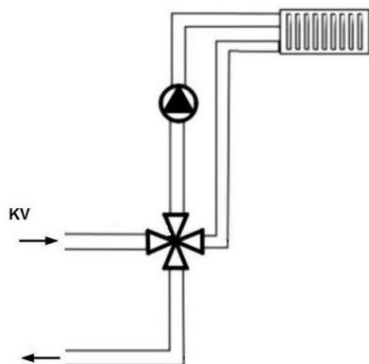


Return of the medium from the right side

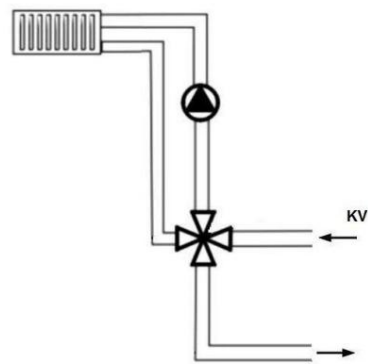


**Example installation diagrams with a 4-way mixing valve**

Left media return (factory setting)

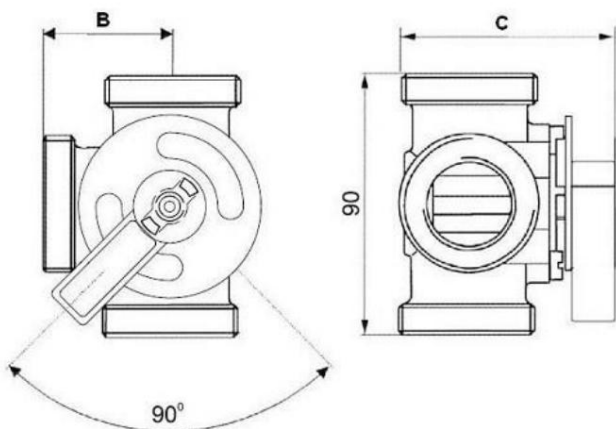


Return of the medium from the right side

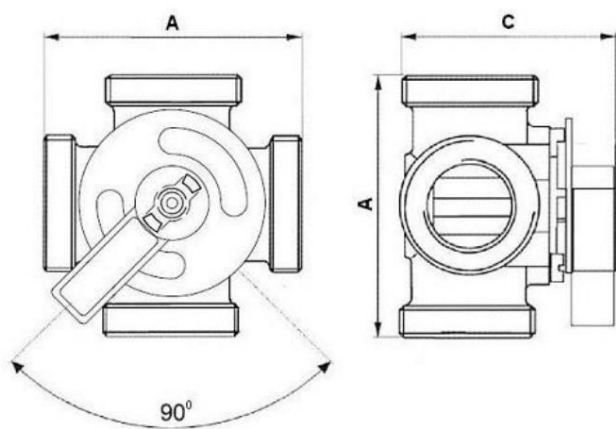


**Dimensional diagram:**

**Minimix 3-way**

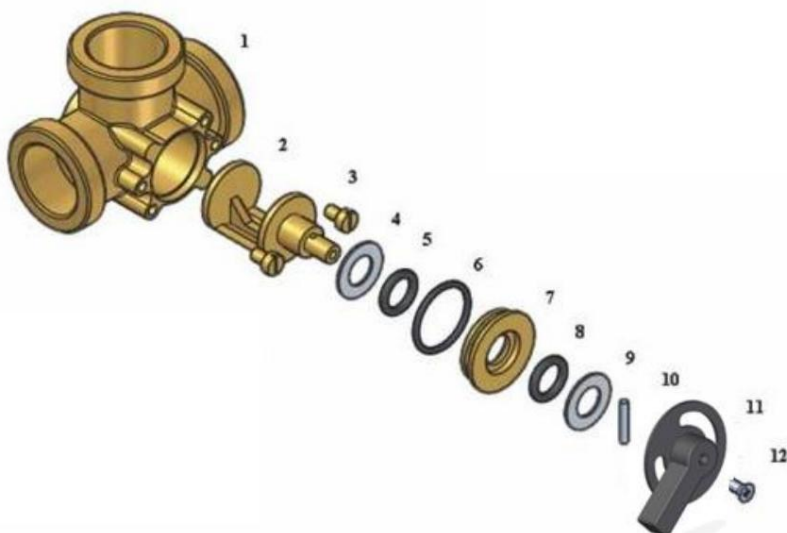


**Minimix 4-way**



Nr art.	Artykuł	Wymiar gwintu	Kvs	A (mm)	B (mm)	C (mm)
007000	MI 3×1/2"	GW 1/2"	4	90	45	75
007010	MI 3×3/4"	GW 3/4"	6,3	90	45	75
007020	MI 3×1"	GW 1" + GZ 1 1/2"	10	90	45	75
007030	MI 3×1 1/4"	GW 1 1/4"	16	90	45	75
007040	MI 3×1 1/2"	GW 1 1/2"	25	110	55	84
007050	MI 3×2"	GW 2"	40	120	60	92
007005	MI 4×1/2"	GW 1/2"	4	90	45	75
007015	MI 4×3/4"	GW 3/4"	6,3	90	45	75
007025	MI 4×1"	GW 1" + GZ 1 1/2"	10	90	45	75
007035	MI 4×1 1/4"	GW 1 1/4"	16	90	45	75
007045	MI 4×1 1/2"	GW 1 1/2"	25	110	55	84
007055	MI 4×2"	GW 2"	40	120	60	92

**Construction of the Minimix mixing valve:**



- 1 – Ms58 body
- 2 – Ms58 rotary disc
- 3 – M8 screws
- 4 – rotary washer
- 5 – EPDM O-ring seal
- 6 – EPDM O-ring seal
- 7 – Ms58 valve cover
- 8 – EPDM O-ring seal
- 9 – rotary washer
- 10 – notched pin
- 11 – handle with scale
- 12 – M4 screw

## Minimix 3-drogowy

Artykuł	Gwint	DN	Kvs	Nr artykułu
Minimix MI 3 x 1/2"	GW 1/2"	15	4	007000
Minimix MI 3 x 3/4"	GW 3/4"	20	6,3	007010
Minimix MI 3 x 1"	GW 1" / GZ 1 1/2"	25	10	007020
Minimix MI 3 x 1 1/4"	GW 1 1/4"	32	15	007030
Minimix MI 3 x 1 1/2"	GW 1 1/2"	40	25	007040
Minimix MI 3 x 2"	GW 2"	50	40	007050

## Minimix 4-drogowy

Artykuł	Gwint	DN	Kvs	Nr artykułu
Minimix MI 4 x 1/2"	GW 1/2"	15	4	007005
Minimix MI 4 x 3/4"	GW 3/4"	20	6,3	007015
Minimix MI 4 x 1"	GW 1" / GZ 1 1/2"	25	10	007025
Minimix MI 4 x 1 1/4"	GW 1 1/4"	32	15	007035
Minimix MI 4 x 1 1/2"	GW 1 1/2"	40	25	007045
Minimix MI 4 x 2"	GW 2"	50	40	007055

## Wyposażenie Minimix DN 25

Artykuł	Nr artykułu
Półśrubunek 1" Ms (1 nakrętka 1 1/2", 1 wkładka 1")	015300