



WITA Minimix | Maximix

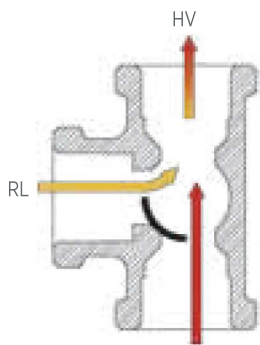
Product Description

The 3- and 4-way compact mixing valves Minimix are suitable for small and medium-sized hot water and central heating systems, whereas the mixing valves Maximix for medium-sized and large systems. The valves can be operated manually or set automatically. Equipped with the SM W05 or SM W 10 actuator, the valves form a compact unit. Mixing valves housing, cover, switching shaft and cone are made of brass. Specially profiled outlet openings

enable linear temperature characteristics. The shaft is sealed with double EPDM O-ring. The supply side of the 4-way mixing valve can be changed; the mixing valves can be assembled on manifolds rotated by 45°. The boiler supply is factory set on the left. The 3-way mixing valve can be used for straight passage. The return connection can be placed either on the right or on the left side and is factory set on the left.

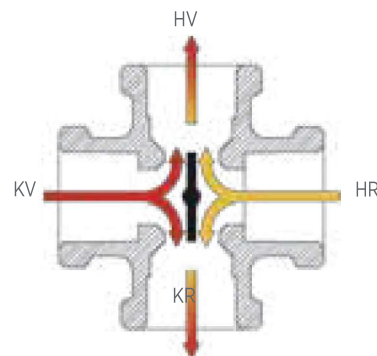


3-way mode of operation



The 3-way mixing valve can be used for straight passage. It can be used for both operations - mixing the media and switching the flow. The return connection can be placed either on the right or on the left side and is factory set on the left.

4-way mode of operation

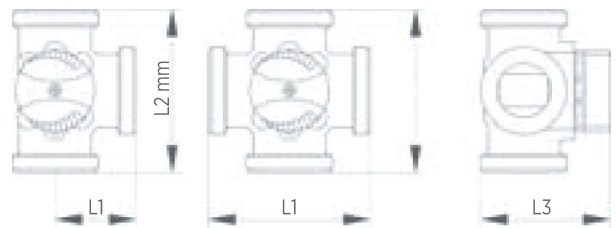






The supply side of the 4-way mixing valve can be changed. While operating in the heating circuit, the supply and the boiler return are mixed with hot water at the same time. Consequently the boiler return temperature increases, which protects the boiler against corrosion. The mixing valves can be assembled on manifolds rotated by 45°. The boiler supply is factory set on the left.

Available Mixing Valves

Technical Data

Housing	58 brass
Sealing of stem	double O-ring
Torque	Minimix 0.3 Nm
Torque	Maximix 0.4 Nm
Angle of rotation	90°
Maximum system pressure	10 bar
Maximum operating temperature	110 °C
Pumped medium	water (with max 50% of glycol)



Minimix	Type of Mixing Valve	Connection Thread	Nominal Diameter	L1 x L2 x L3	Kvs-value
	3-way 1/2"	1/2" female thread	DN 15	45 x 90 x 75	4 m³/h
	3-way 3/4"	3/4" female thread	DN 20	45 x 90 x 75	7 m³/h
	3-way 3/4"	1" male thread	DN 20	45 x 90 x 75	7 m³/h
	3-way 1"	1" female thread			
		x 1 1/2" male thread	DN 25	45 x 90 x 75	10 m³/h
	3-way 1 1/4"	1 1/4" female thread	DN 32	45 x 90 x 75	15 m³/h
	3-way 1 1/4"	1 1/2" male thread	DN 32	45 x 90 x 75	15 m³/h
	3-way 1 1/4"	2" male thread	DN 32	45 x 90 x 75	15 m³/h
	4-way 1/2"	1/2" female thread	DN 15	90 x 90 x 75	4 m³/h
	4-way 3/4"	3/4" female thread	DN 20	90 x 90 x 75	7 m³/h
	4-way 3/4"	1" male thread	DN 20	90 x 90 x 75	7 m³/h
	4-way 1"	1" female thread			
		x 1 1/2" male thread	DN 25	90 x 90 x 75	10 m³/h
	4-way 1 1/4"	1 1/4" female thread	DN 32	90 x 90 x 75	15 m³/h
Maximix	Type of Mixing Valve	Connection Thread	Nominal Diameter	L1 x L2 x L3	Kvs-value
	3-way 1 1/2"	1 1/2" female thread	DN 40	110 x 55 x 85	25 m³/h
	3-way 2"	2" female thread	DN 50	120 x 60 x 92	40 m³/h
	4-way 1 1/2"	1 1/2" female thread	DN 40	110 x 110 x 85	25 m³/h
	4-way 2"	2" female thread	DN 50	120 x 120 x 92	40 m³/h