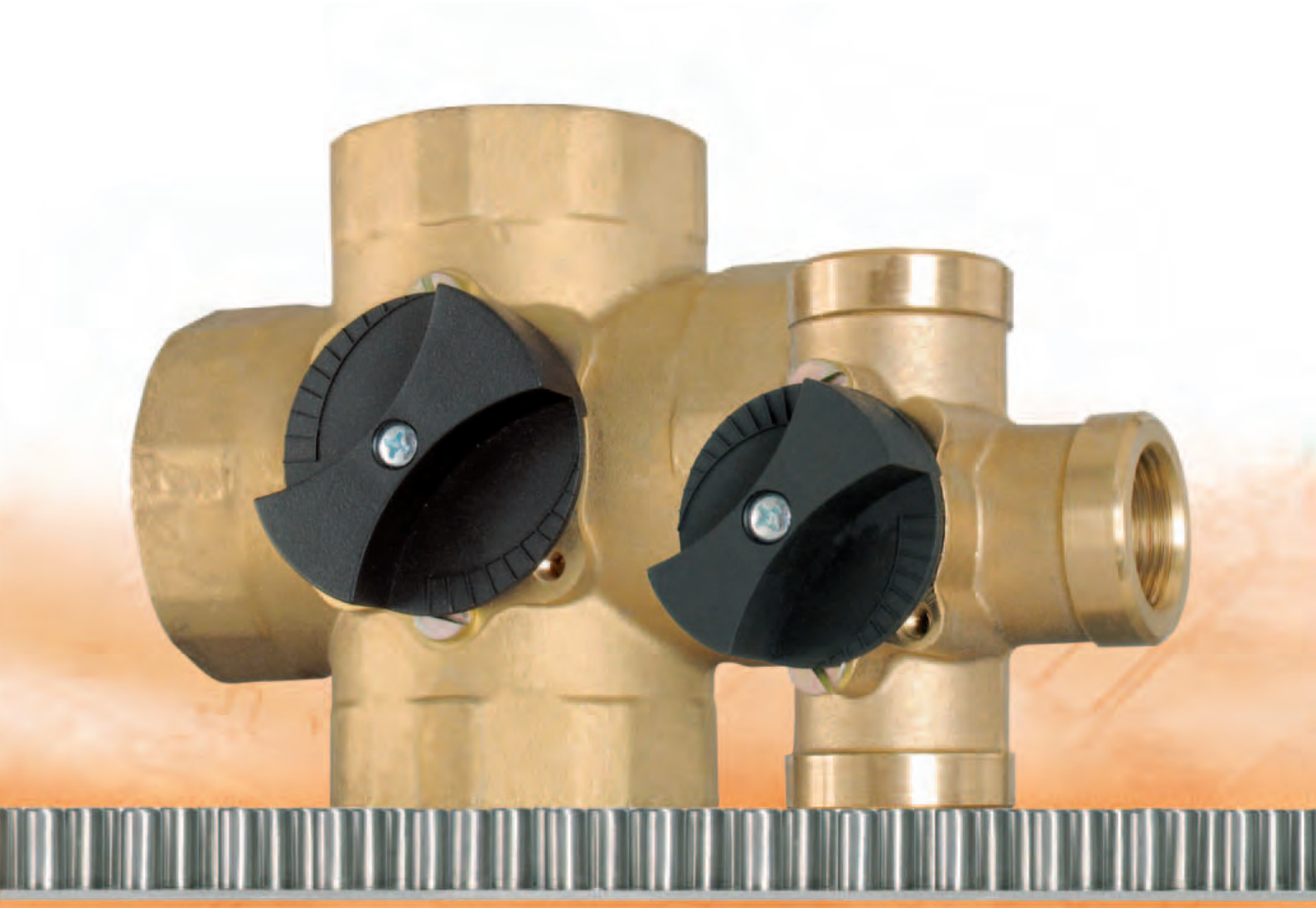
MIXING TECHNOLOGY

Minimix, Maximix



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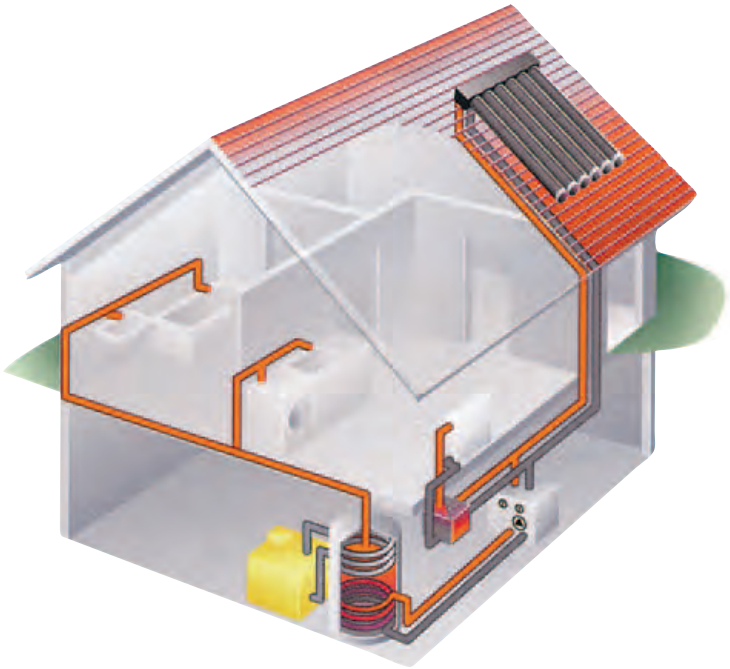


WITA has been supplying technically mature equipment for more than 40 years. We can supply all the equipment you need for a modern heating system.

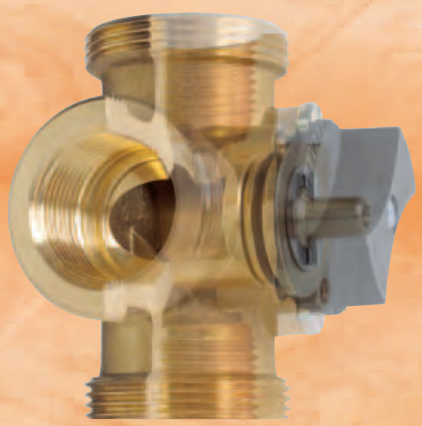
Our product range includes

- Mixing Technology
- Pump technology
- Control technology
- Drive technology
- Fitting technology

Mixing Technology

Different bores and construction lengths enable dealers and craftsmen to respond particularly flexibly to the special needs of the market. The mixers are designed for central heating systems. They are also suitable for use with solar technology systems.

Cross section



MIXING TECHNOLOGY

Minimix

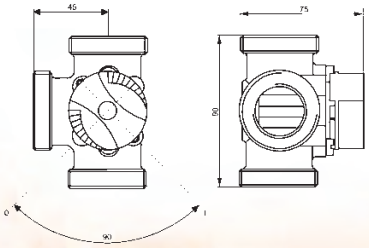
Mixing valve

The 3 and 4 way Minimix compact mixers are suitable for smaller and medium-sized warm water central heating systems. They can be used for manual or motor control. They form a compact unit combined with the SM 4.6 servomotor.

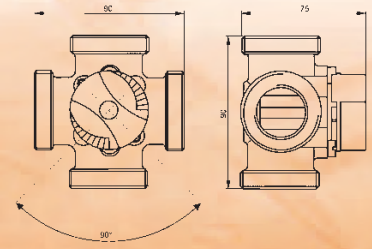
The mixing valve casing, cover, drive shaft and lid are made of brass. Specially profiled outlets guarantee linear temperature characteristics. Two EPDM O rings seal the shaft. In the case of the 4 way mixer, the supply side is variable, the mixers can be installed at an angle of 45° for connection to a distributor. The equipment is delivered with boiler supply from the left.

The 3 way mixer is used for straight throughflow. The return flow can be connected to the right or left. The mixer is delivered with the return on the left.

3 way



4 way



Technical specifications	Minimix
Max. operating temperature:	110°C
Max. operating pressure:	10 bar
Adjustment range:	90°
Casing:	Brass MS 58
Spindle seals:	two O rings
Torque:	0,3 Nm
Motor drive:	a WITA SM 4.6 servomotor can be easily connected

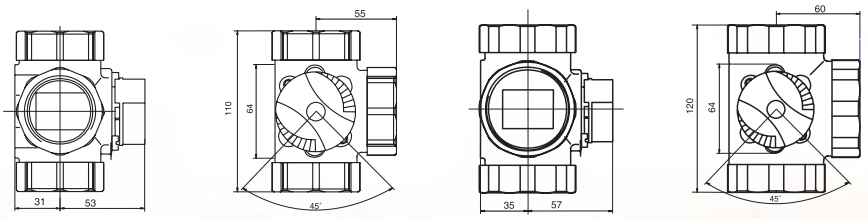
Maximix

Mixing valve

The 3 and 4 way Maximix compact mixers are suitable for medium-sized and larger warm water central heating systems, and are available in bore widths DN 40 and DN 50. They can be used for manual or motor control. They form a compact unit combined with the SM 4.10 servomotor.

The mixing valve casing, cover, drive shaft and lid are made of brass. Specially profiled outlets guarantee linear temperature characteristics. Two EPDM O rings seal the shaft. In the case of the 4 way mixer, the supply side is variable, the mixers can be installed at an angle of 45° for connection to a distributor. The equipment is delivered with boiler supply from the left.

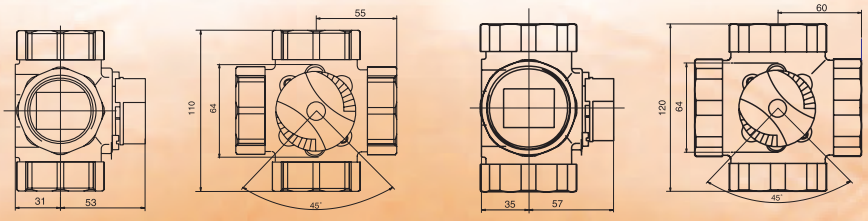
The 3 way mixer is used for straight throughflow. The return flow can be connected to the right or left. The mixer is delivered with the return on the left.



3 way

DN 40

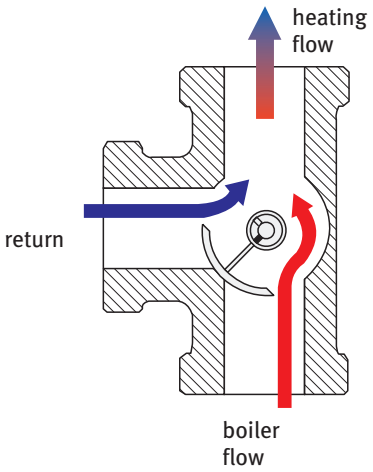
DN 50



4 way

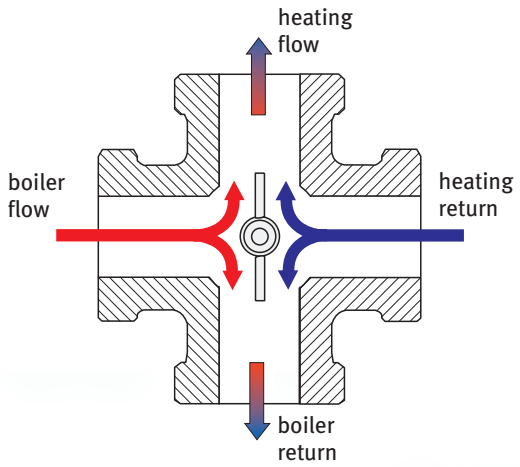
Technical specifications	Maximix
Max. operating temperature:	110°C
Max. operating pressure:	10 bar
Casing:	Brass MS 58
Spindle seals:	two EPDM O rings
Torque:	0,4 Nm
Adjustment range:	90°
Motor drive:	a WITA SM 4.10 servomotor can be easily connected

Function



Functionality of the 3 way version

The 3 way mixer is used for straight throughflow. It is suitable for both mixing and changeover procedures. The return flow can be connected to the right or left. The mixer is delivered with the return on the left.

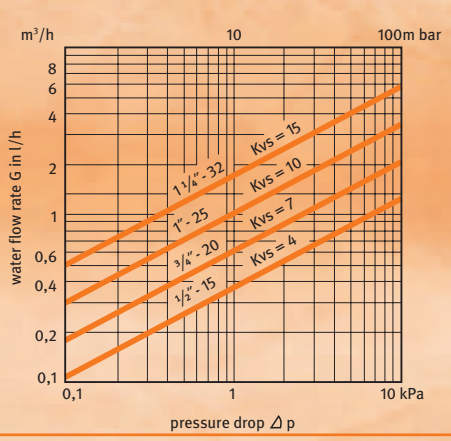


Functionality of the 4 way version

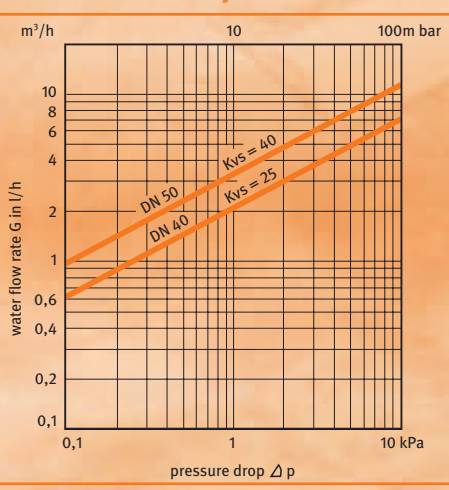
In the case of the 4 way mixer, the supply side is variable. It allows the heating circuit supply and the boiler return to be simultaneously mixed with hot water. This raises the temperature of the boiler return, thus preventing corrosion damage to the boiler. The mixers can be installed at an angle of 45° for connection to a distributor.

The equipment is delivered with boiler supply from the left.

Pressure drop Minimix



Pressure drop Maximix



Range of mixers

	Article	Connecting thread	Bore	Art. no.
MINIMIX	3way ½″	½″ female thread	DN 15	M 44 100
	3 way ¾″	¾″ female thread	DN 20	M 45 100
	3 way ¾″	1″ male thread	DN 20	M 45 110
	3 way 1″	1″ female thread, 1 ½″ male thread	DN 25	M 46 100
	3 way 1 ¼″	1 ¼″ female thread	DN 32	M 47 100
	3 way 1 ¼″	1 ½″ male thread	DN 32	M 47 110
	4 way ½″	½″ female thread	DN 15	M 44 200
	4 way ¾″	¾″ female thread	DN 20	M 45 200
	4 way ¾″	1″ male thread	DN 20	M 45 210
	4 way 1″	1″ female thread, 1 ½″ male thread	DN 25	M 46 200
	4 way 1 ¼″	1 ¼″ female thread	DN 32	M 47 200
	4 way 1 ¼″	1 ½″ male thread	DN 32	M 47 210
MAXIMIX	3 way 1 ½″	1 ½″ female thread	DN 40	M 48 100
	3 way 2″	2″ female thread	DN 50	M 49 100
	4 way 1 ½″	1 ½″ female thread	DN 40	M 48 200
	4 way 2″	2″ female thread	DN 50	M 49 200

Other threads and dimensions are available on request.

Version 03/2006 · Subject to production-related modifications of the dimensions and designs. Errors and technical modifications omitted. Layout: AKD, Bad Oeynhausen