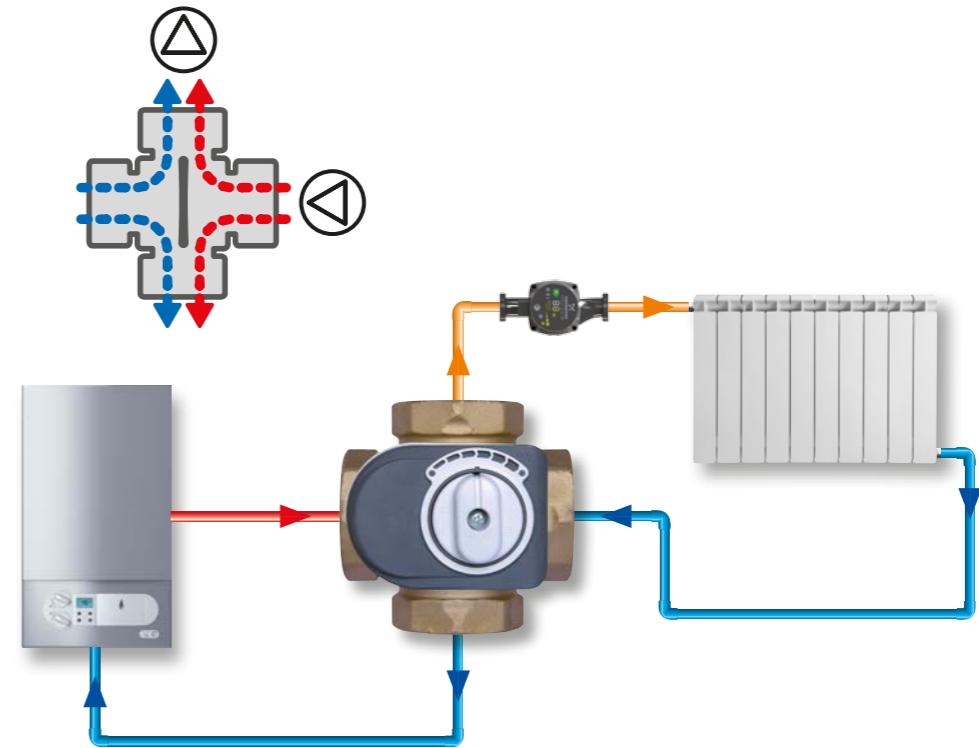


# ROTARY MIXING VALVES AND ACTUATORS

- 3-Ways mixing valves
- 4-Ways
- flanged mixing valves
- actuators

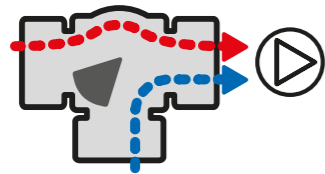
Complete range of 3 and 4ways mixing valves. These valves allow to regulate the heating installations by mixing the hot water from the boiler with the cold water back from installation thus guaranteeing the desired temperature to the end user and energy sparing. All the valves can be motorized to regulate the valve by itself.

4 ways mixing working way

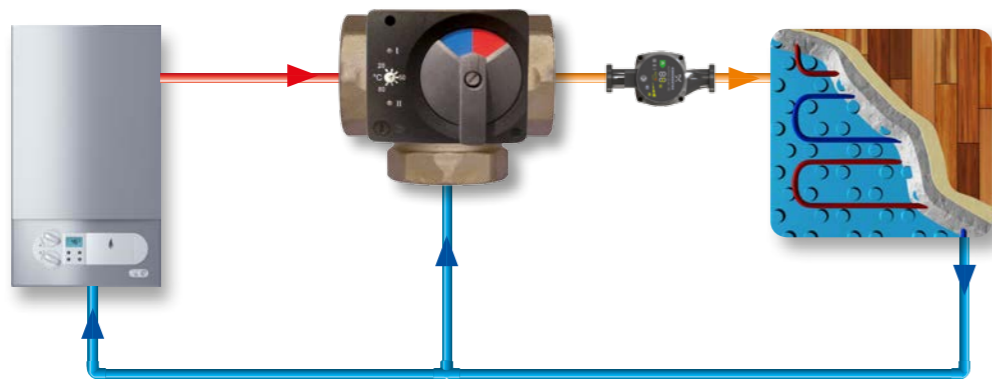
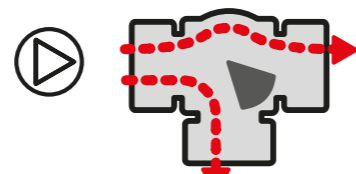


450

3 ways mixing working way



3 ways diverting working way

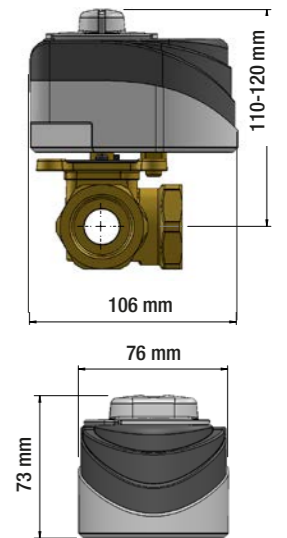


460



### Technical features actuator M03.3

- environment temperature: -10 °C - +55 °C
- protection grade: IP 44
- electrical protection: II
- power supply: 230 V - 50-60 Hz 24 V - 50-60 Hz
- absorption: 4 VA
- torque: 10 Nm
- cable 1,5 m
- running time: 60" - 120"
- running angle: 90°
- valves dimensions: 1/2" - 3/4" - 1" - 1 1/4" - 1 1/2" - 2"
- type: 2 point (switch on request) 3 point (switch on request)
- Proportional 0..10 V - 4..20 mA (on request)



# MIXING VALVES cast iron flanged

A complete range of cast iron mixing valve, 3 and 4 ways with rated diameter from 40mm up to 150mm.  
All the valves can be motorized to regulate the valve itself.



P52

# MIXING VALVES special

Special 3 ways mixing valve with by-pass, pump connection, T fitting on the return way and manifold connection.



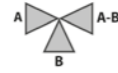
51D - 41D

460

3-ways mixing valve - F



Max working temperature 110 °C



cod.	size	KV	P [bar]	NPS	NPC	€
460 015 00M N	Rp 1/2"	1,6	10	1	10	
460 015 00M A	Rp 1/2"	2,5	10	1	10	
460 020 00M B	Rp 3/4"	4	10	1	10	
460 020 00M C	Rp 3/4"	6	10	1	10	
460 025 00M D	Rp 1"	8	10	1	10	
460 025 00M E	Rp 1"	12	10	1	10	
460 032 00M F	Rp 1 1/4	15	10	1	10	
460 032 00M G	Rp 1 1/4	18	10	1	10	
460 040 00M L	Rp 1 1/2	26	10	1	8	
460 050 00M M	Rp 2"	40	10	1	8	

475

3-ways mixing valve - compression ends



Max working temperature 110 °C



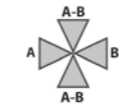
cod.	size	KV	P [bar]	NPS	NPC	€
475 022 00M A ●	22 mm	2,5	10	1	10	
475 022 00M B ●	22 mm	4	10	1	10	
475 022 00M C ●	22 mm	6	10	1	10	
475 028 00M E ●	28 mm	12	10	1	12	
475 035 00M G ●	35 mm	18	10	1	8	

451

4-ways mixing valve - M



Max working temperature 110 °C



cod.	size	KV	P [bar]	NPS	NPC	€
451 020 00M A	G 3/4" M	2,5	10	1	10	
451 025 00M B	G 1" M	4	10	1	10	
451 025 00M C	G 1" M	6	10	1	10	
451 032 00M D	G 1 1/4 M	8	10	1	10	
451 032 00M E	G 1 1/4 M	12	10	1	10	
451 040 00M F ●	G 1 1/2 M	15	10	1	10	
451 040 00M G ●	G 1 1/2 M	18	10	1	10	

M03.3

Compact actuator for mixing valves, running angle 90°, for 3 points setting. Comes complete with blocking screw, mixing valve adaptors, anti-rotation pin, 1,5m integrated cable



Torque 10 Nm  
Frequency 50 Hz

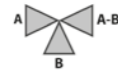
cod.	V	runningTime [s]	N° poles	NPS	NPC	€
M03 010 1DA B	230	120	3	1	16	
M03 010 1GA B	230	120	6	1	16	
M03 010 1DB B	230	60	3	1	16	
M03 010 1GB B	230	60	6	1	16	
M03 010 2DA B	24	120	3	1	16	
M03 010 2GA B	24	120	6	1	16	
M03 010 2DB B	24	60	3	1	16	
M03 010 2GB B	24	60	6	1	16	

461

3-ways mixing valve - M



Max working temperature 110 °C



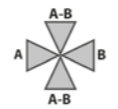
cod.	size	KV	P [bar]	NPS	NPC	€
461 020 00M A	G 3/4" M	2,5	10	1	10	
461 025 00M A	G 1" M	2,5	10	1	10	
461 025 00M B	G 1" M	4	10	1	10	
461 025 00M C	G 1" M	6	10	1	10	
461 025 00M D	G 1" M	8	10	1	10	
461 032 00M D	G 1 1/4 M	8	10	1	10	
461 032 00M E	G 1 1/4 M	12	10	1	10	
461 040 00M F	G 1 1/2 M	15	10	1	10	
461 040 00M G	G 1 1/2 M	18	10	1	10	

450

4-ways mixing valve - F



Max working temperature 110 °C



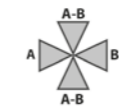
cod.	size	KV	P [bar]	NPS	NPC	€
450 015 00M A	Rp 1/2"	2,5	10	1	10	
450 020 00M B	Rp 3/4"	4	10	1	10	
450 020 00M C	Rp 3/4"	6	10	1	10	
450 025 00M D	Rp 1"	8	10	1	10	
450 025 00M E	Rp 1"	12	10	1	10	
450 032 00M F	Rp 1 1/4	15	10	1	10	
450 032 00M G	Rp 1 1/4	18	10	1	10	
450 040 00M L	Rp 1 1/2	26	10	1	8	
450 050 00M M	Rp 2"	40	10	1	8	

476

4-ways mixing valve - compression ends



Max working temperature 110 °C



cod.	size	KV	P [bar]	NPS	NPC	€
476 022 00M A ●	22 mm	2,5	10	1	10	
476 022 00M B ●	22 mm	4	10	1	10	
476 022 00M C ●	22 mm	6	10	1	10	
476 028 00M E ●	28 mm	8	10	1	12	
476 035 00M G ●	35 mm	12	10	1	8	

M03.2

Compact actuator for mixing valves (diverting using), running angle 90°, for on/off setting. Comes complete with blocking screw, mixing valve adaptors, anti-rotation pin, 1,5m integrated cable



Torque 10 Nm  
Frequency 50 Hz

cod.	V	runningTime [s]	N° poles	NPS	NPC	€
M03 010 1AA B	230	120	3	1	16	
M03 010 1HA B	230	120	6	1	16	
M03 010 1AB B	230	60	3	1	16	
M03 010 1HB B	230	60	6	1	16	
M03 010 2AA B	24	120	3	1	16	
M03 010 2AB B	24	60	3	1	16	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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**P27T**

Actuator for mixing valves, running angle 90°, with integrated probe and temperature setting device. Comes complete with blocking screw, mixing valve adaptors, anti-rotation pin, NTC probe (1m cable), probe's carrying bracers fitting, integrated European electrical wire connection, 2m integrated cable.



Torque	10 Nm
Frequency	50 Hz

cod.	V	runningTime [s]	N° poles	NPS	NPC	€
P27 230 010 T	230	135	2	1	10	

**M04**

Actuator for mixing valves, running angle 90°, for proportional setting 0(2) - 10 V. Comes complete with blocking screw, mixing valve adaptor, anti-rotation pin, 1,95m integrated cable



Torque	5 Nm
Frequency	50 Hz
Feedback	0-10V/0-40mA

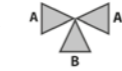
cod.	V	runningTime [s]	N° poles	NPS	NPC	€
M04 010 3MA B	24	60 - 90 - 120	4	1	10	

**P51**

3 ways flanged sectorial mixing valve - PN6



Material	Cast iron
Max working temperature	120 °C



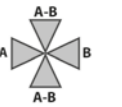
cod.	size	KV	P [bar]	NPC	€
P51 040 00M M	DN40	41	6	1	
P51 050 00M N	DN50	65	6	1	
P51 065 00M O	DN65	100	6	1	
P51 080 00M P	DN80	185	6	1	
P51 100 00M Q	DN100	310	6	1	
P51 125 00M R	DN125	510	6	1	
P51 150 00M S	DN150	820	6	1	

**P52**

4 ways flanged mixing valve - PN6



Material	Cast iron
Max working temperature	120 °C



cod.	size	KV	P [bar]	NPC	€
P52 040 00M M	DN40	41	6	1	
P52 050 00M N	DN50	65	6	1	
P52 065 00M O	DN65	100	6	1	
P52 080 00M P	DN80	185	6	1	
P52 100 00M Q	DN100	310	6	1	
P52 125 00M R	DN125	510	6	1	
P52 150 00M S	DN150	820	6	1	

**P88**

3 ways flanged mixing valve with tee inside - PN6



Material	Cast iron
Max working temperature	120 °C



cod.	size	KV	P [bar]	NPC	€
P88 040 00M M	DN40	41	6	1	
P88 050 00M N	DN50	65	6	1	
P88 065 00M O	DN65	100	6	1	
P88 080 00M P	DN80	185	6	1	
P88 100 00M Q	DN100	310	6	1	
P88 125 00M R	DN125	510	6	1	
P88 150 00M S	DN150	820	6	1	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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**M01**

Actuator for flanged mixing valves, running angle 90°, for 3 points setting



Torque	20 Nm
Frequency	50 Hz

cod.	V	runningTime [s]	N° poles	NPS	NPC	€
M01 020 1FA A	230	120	5	1	12	
M01 020 2FA A	24	120	5	1	12	

**M01.K**

Actuator for flanged mixing valves, running angle 90°, for 3 points setting - comes complete with assembling kit (ref. P87)



Torque	20 Nm
Frequency	50 Hz

cod.	V	runningTime [s]	N° poles	NPS	NPC	€
M01 020 1FA AK	230	120	5	1	12	
M01 020 2FA AK	24	120	5	1	12	

**P87**

Assembling kit for flanged mixing valve actuator



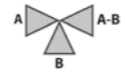
cod.	NPS	NPC	€
P87 000 00K	1	20	

**41D**

3-ways mixing valve with by-pass pump connection distribution manifold connection



Max working temperature	90 °C
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cod.	size	KV	P [bar]	NPS	NPC	€
41D 040 000 C	G1"1/2M - G1"M - G1"1/2F	6	10	1	10	
41D 040 000 I	G1"1/2M - G1"M - G1"1/2F	10	10	1	10	
41D 050 000 G	G2"M - G1"1/4M - G2"F	18	10	1	10	

**51D**

Kit composed by mixing valve with by-pass, pump connection and T fitting for the return



Max working temperature	90 °C
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cod.	size	KV	P [bar]	NPS	NPC	€
51D 040 0C0	G 1" 1/2 M - G 1" 1/2 F	6	10	1	12	
51D 040 0I0	G 1" 1/2 M - G 1" 1/2 F	10	10	1	12	
51D 050 0G0	G 2" M - G 2" F	18	10	1	8	

**P93**

Fitting with running nut and flat washer



Max working temperature	100 °C
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cod.	size	P [bar]	NPS	NPC	€
P93 015 000	G3/4" F - G1/2" M	25	20	80	
P93 020 000	G1" - G3/4" M	25	16	64	
P93 025 000	G1"1/4 - G1" M	25	8	64	
P93 032 000	G1"1/2 - G1"1/4 M	25	4	32	

**V38.05**

new

Y fitting kit and probe holder connection with closed well



Max working temperature	110°C
Probe diameter	6mm

cod.	size	P [bar]	NPS	NPC	€
V38 015 000 05	G 1/2" M	16	-	-	
V38 020 000 05	G 3/4" M	16	-	-	
V38 025 000 05	G 1" M	16	-	-	

**V38.06**

new

Y fitting kit and immersion probe holder with tightness on the probe



Max working temperature	110°C
Probe diameter	6mm

cod.	size	P [bar]	NPS	NPC	€
V38 015 000 06	G 1/2" M	10	-	-	
V38 020 000 06	G 3/4" M	10	-	-	
V38 025 000 06	G 1" M	10	-	-	

**440.I**

Handle and screw kit to manually set mixing valve



cod.	€
440 015 011 I	

P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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P	Max working pressure
N°P/S	Pieces per box
N°P/C	Pieces per carton



●	Article on request
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