

PROFESSIONAL
HEATING
DISTRIBUTION
SYSTEMS



HEAT UNDER CONTROL

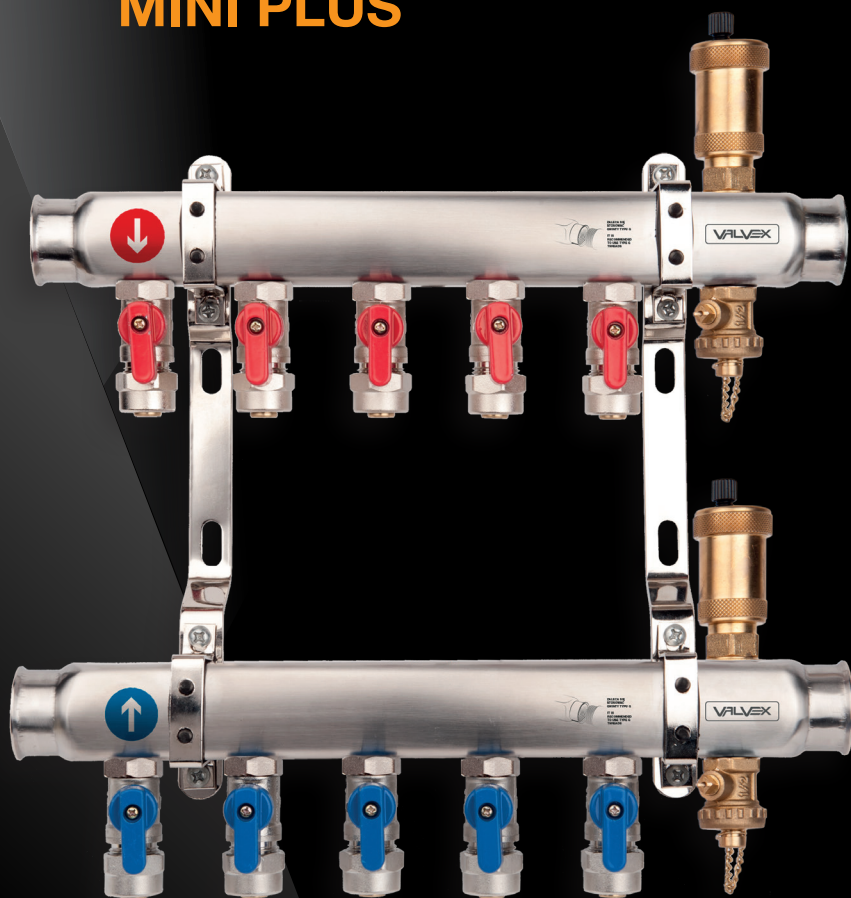


PROFESSIONAL HEATING DISTRIBUTION SYSTEMS

Adequate dosing of medium and right temperature selection are crucial in central heating installations, especially to low temperature heating. An important element of such installations are pump groups for distributors, mixing valves automated by actuators and manifolds, uniformly supplying all connected circuits.



BASE INOX K2 MINI PLUS



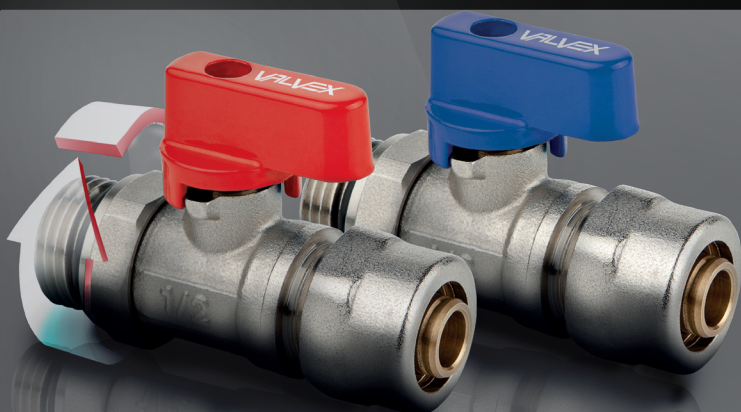
COMPLETE DISTRIBUTION SYSTEM FOR TRADITIONAL HEATING

- Manifold pipe 1"
- MINI PLUS valves with sealing nut, with PEX/AL CONNECTOR - NEW
- Automatic purging vent installed on manifold pipe
- Drain valve
- Bracket set
- Number of circuits 2-11
- Standard spacing 210 mm

K2 MINI PLUS

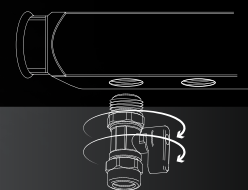
BALL VALVE WITH O-RING AND EUROCONE CONNECTOR WITH NUT

INNOVATIVE SOLUTION THROUGH USE THE MINI PLUS VALVE IN THE MANIFOLD SETS

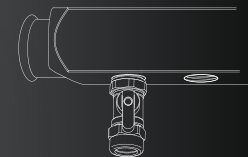


THE SEALING NUT MAKES INSTALLATION ON THE MANIFOLD PIPE EASIER

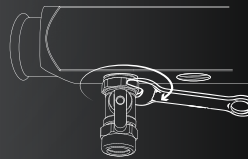
1



2



3



6097390

6097380

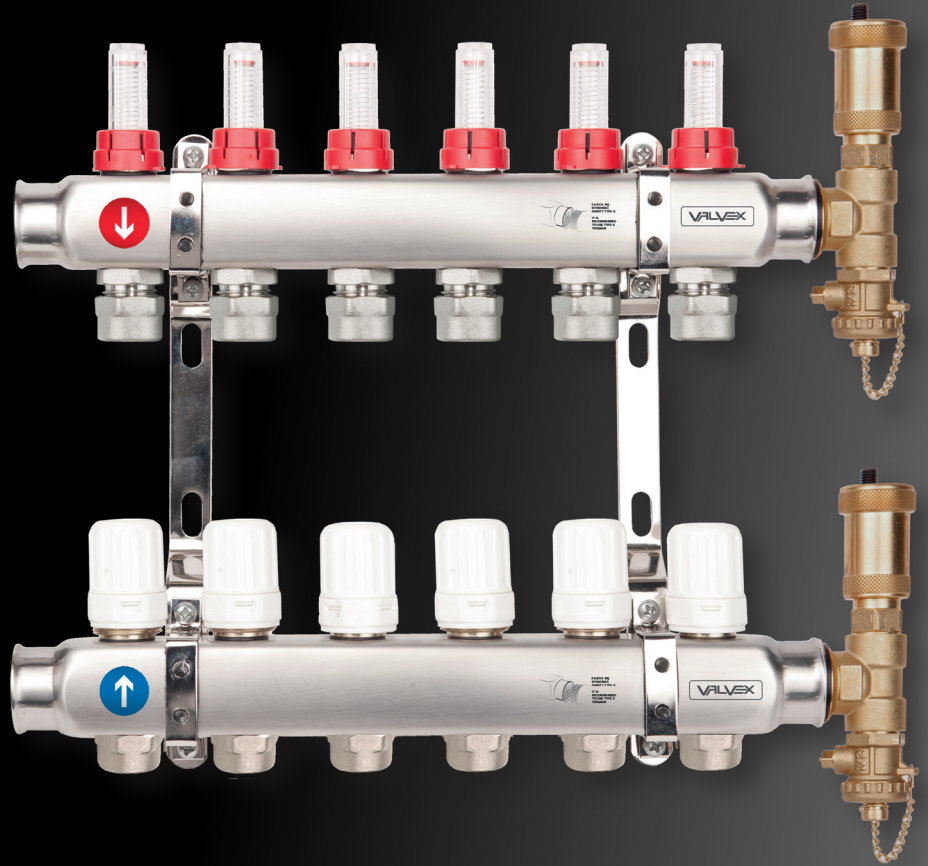
PN10

65°C

BASE INOX K5 PLUS

COMPLETE DISTRIBUTION SYSTEM FOR FLOOR HEATING

- Manifold pipe 1"
- Flow meters installed on supply pipe
- Thermostatic valves installed on return pipe
- PEX/AL 16x2 - G1/2" connectors
- Bracket set
- Automatic purging vent
- Drain valve
- Possibility of connection
thermoelectric heads
- Possibility of system adjustment
- Number of circuits 2-12
- Standard spacing 210 mm



▶ PEX/AL

QUICK ASSEMBLY OF PEX/AL PIPE
TO MANIFOLD SET THANKS TO USE PEX/AL
CONNECTORS



16X2 - G1/2" CONNECTORS
FOR HEATING CIRCUIT DISTRIBUTORS

PN10

90°C

6007370

Connector for flowmeters

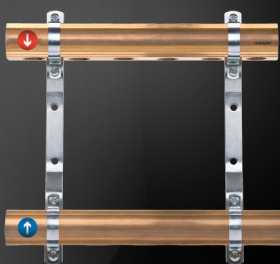
6007350

Standard connector

• MANIFOLD SETS PROFF •

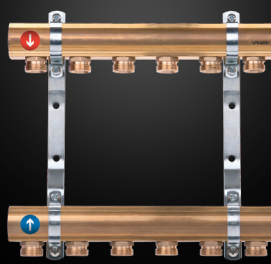
PN 10 Temp. max. 95°C

▶ PROFF K1



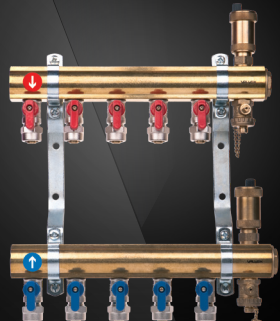
CODE	Number of circuits
6086010	2
6086020	3
6086030	4
6086040	5
6086050	6
6086060	7
6086070	8
6086080	9
6086090	10
6086100	11
6086110	12

▶ PROFF K2



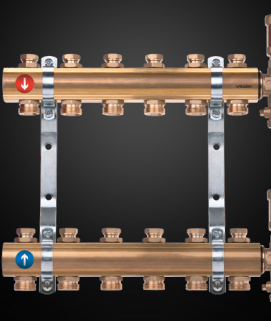
CODE	Number of circuits
6086260	2
6086270	3
6086280	4
6086290	5
6086300	6
6086310	7
6086320	8
6086330	9
6086340	10
6086350	11
6086360	12

▶ PROFF K2 MINI



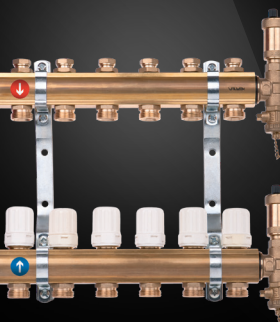
CODE	Number of circuits
6084300	2
6084310	3
6084320	4
6084330	5
6084340	6
6084350	7
6084360	8
6084370	9
6084380	10
6084390	11

▶ PROFF K3



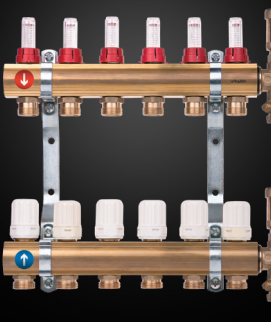
CODE	Number of circuits
6086500	2
6086510	3
6086520	4
6086530	5
6086540	6
6086550	7
6086560	8
6086570	9
6086580	10
6086590	11
6086600	12

▶ PROFF K4



CODE	Number of circuits
6086630	2
6086640	3
6086650	4
6086660	5
6086670	6
6086680	7
6086690	8
6086700	9
6086710	10
6086720	11
6086730	12

▶ PROFF K5



CODE	Number of circuits
6086750	2
6086760	3
6086770	4
6086780	5
6086790	6
6086800	7
6086810	8
6086820	9
6086830	10
6086840	11
6086850	12

6098140

PROFF daily wireless temperature controller



- Simple operation and programming of temperature settings
- Economy Mode – ability to decrease the temperature by 3 °C for 6 hours
- Large LCD display
- Frost Guard - protects installation against freezing

Range work T (°C)	0°C – 45°C
Sensor T (°C)	0°C – 35°C
Range steering T (°C)	7°C – 30°C
Hysteresis	± 0,2°C
Work cycle	daily
Display	LCD
Power	2x bat. AAA 1,5V
Frequency	868 MHz
Range	do 30m
Steering	wireless

6098120

Thermoelectric Head



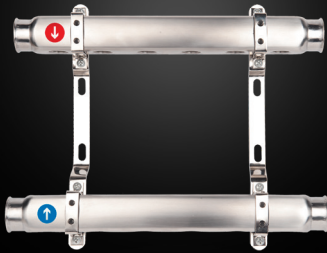
- one type of actuator for BASE and PROFF system
- normally closed NC
- connection (thread) M30 x 1,5
- max. pin 4mm
- Power supply voltage 220-230V 50Hz

• MANIFOLD SETS BASE INOX •

PN
10

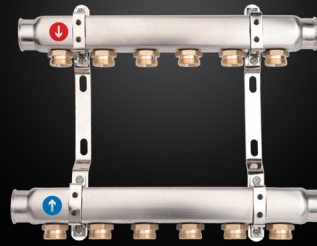
Temp. max.
95°C

▶ BASE K1



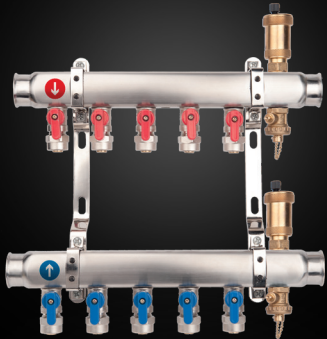
CODE	Number of circuits
6085000	2
6085010	3
6085020	4
6085030	5
6085040	6
6085050	7
6085060	8
6085070	9
6085080	10
6085090	11
6085100	12

▶ BASE K2



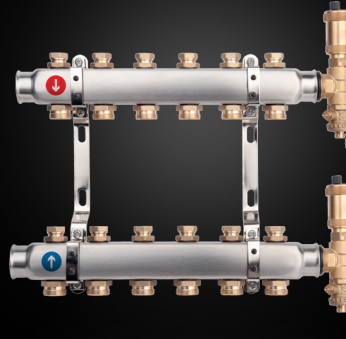
CODE	Number of circuits
6085150	2
6085160	3
6085170	4
6085180	5
6085190	6
6085200	7
6085210	8
6085220	9
6085230	10
6085240	11
6085250	12

▶ BASE K2 MINI



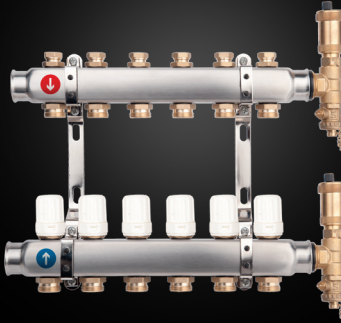
CODE	Number of circuits
6084000	2
6084010	3
6084020	4
6084030	5
6084040	6
6084050	7
6084060	8
6084070	9
6084080	10
6084090	11

▶ BASE K3



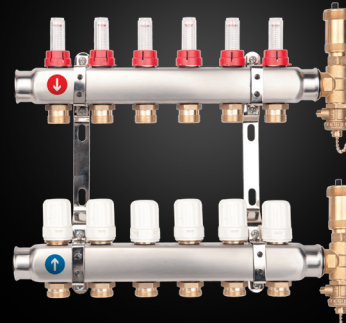
CODE	Number of circuits
6085300	2
6085310	3
6085320	4
6085330	5
6085340	6
6085350	7
6085360	8
6085370	9
6085380	10
6085390	11
6085400	12

▶ BASE K4



CODE	Number of circuits
6085450	2
6085460	3
6085470	4
6085480	5
6085490	6
6085500	7
6085510	8
6085520	9
6085530	10
6085540	11
6085550	12

▶ BASE K5



CODE	Number of circuits
6085600	2
6085610	3
6085620	4
6085630	5
6085640	6
6085650	7
6085660	8
6085670	9
6085680	10
6085690	11
6085700	12

6098220

PROFF 8-channel heating control computer - wireless



- Intelligent wireless controller
- Integrated control system pump and boiler
- Control of 8 heating circuits with the possibility of connecting solenoids/actuators (3 in 1 zone)
- Dedicated under floor heating and air-conditioning
- Anti - Stop function periodically switches on the pump and solenoids outside of the heating season to prevent seizing or corrosion (every 14 days)

Range T (°C)	4°C – 45°C
Frequency	868 MHz
Power / Capacity	~230 V AC, 50 Hz
I _{max}	2 A klasa IP 20
Steering	wireless

PROFF system with electric pump



PROFF Compact Mixing Group 6096700

A solution that provides a complete and professional underfloor heating system. Offer includes: the PROFF Compact Mixing Group, group of brass and stainless steel distributors.

PROFF Compact Mixing Group is the high quality system solution, that guarantees the optimal temperature of the heating medium in the floor installation. This revolution, based on a four-way thermostatic valve with manual setting and a top-class pump.

ELECTRONIC CIRCUIT PUMP	
Temperature range in installations HVAC	0-95°C
Max static pressure	PN 6
H ₂ O	6.2 m
Connector space	130 mm
Max. coefficient	3,3 m ³ /h
Speed levels	smooth speed control
Connection diameters	1 1/2"
Functions	proportional pressure difference, constant pressure difference, venting function

SMART VENT

- easy venting by manually unscrewing the vent knob.



Brass elbow with half union, thermometer, manual air vent with 1/2" knob

Electronic circuit pump Yonos
Para 25/6 – 130 RKA



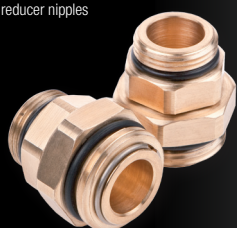
MAXI CONTROL

- a new standard of energy-saving solutions for integrated heating systems. The pump has a smooth speed control, characterized by a new energy efficiency coefficient. The electronic control module has a red knob, making function selection simpler.

SAVE & SAFETY

- is an innovative solution that ensures the constant temperature of the mixed heating medium is maintained, even when the parameters of the medium will fluctuate.

reducer nipples



EASY CONNECT

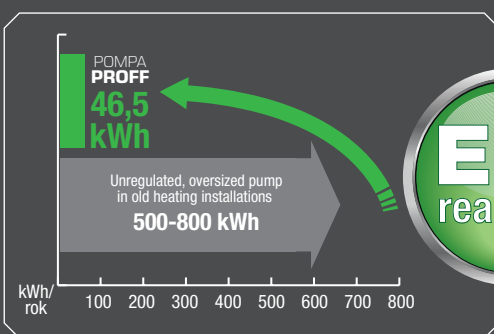
- unique use of nipples with an opposing twist ensures easy assembly, tightness and no need for connection screw connections.



Four-way Thermostatic valve with manual adjustment

FOUR-WAY THERMOSTATIC VALVE

Maximum working temperature	0-90°C
Max static pressure	PN 10
Flow coefficient	KV 4,5
Setting range	25 - 58°C
Factory set	45°C
Connector	3/4"
Body	brass
Rubber	EPDM
Spring	steel AISI 302



PROFF Compact Mixing Group is equipped with a modern pump that complies with the EU directives on the energy efficiency of pumps

PRECISE LIGHTNESS OF MIXING



CONTROLMIX3

The brass three-way CONTROLMIX3 valve is used as a mixing valve. It has a hand-wheel for manual adjustment. Three-way valves are used in installations where a constant liquid temperature is required. The valves maintain the set temperature of the heating medium as a result of mixing hot liquid from the boiler with the cooler liquid from the installation. They can also be used as separating valves when it is necessary to split the stream into two circuits.

6093100

DN20

6094100

DN25

6095100

DN32

6096300

DN40

6097470

DN50

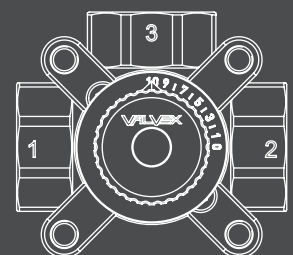
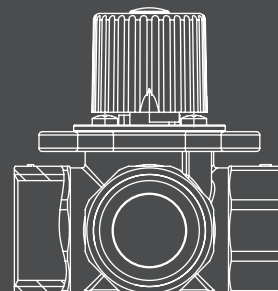


made in
POLAND

**THE EASE
OF ROTATION**

TECHNICAL DATA

Maximum working pressure	1,0 MPa (10 bar)
Maximum working temperature	-10°C ÷ 110°C
Flow coefficient KV	for DN20: 6,3 [m³/h] for DN25: 12 [m³/h] for DN32: 16 [m³/h] for DN40: 25 [m³/h] for DN50: 40 [m³/h]
Dimensions of the 4-way valve	3/4" 1" 5/4" 6/4" 2"
Spindle rotation torque	<1 Nm
Types of heating medium	water, glycol (≤50%)
Material	Brass CW617N



CONTROLMIX4

The brass four-way CONTROLMIX4 valve is used as a mixing valve. It has a handwheel for manual adjustment. Used in installations with a solid fuel boiler to raise the return temperature.

6093120

DN20

6094120

DN25

6095120

DN32

6096320

DN40

6097490

DN50

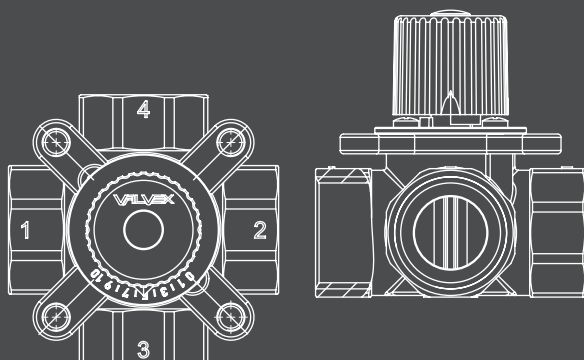


made in
POLAND



TECHNICAL DATA

Maximum working pressure	1,0 MPa (10 bar)
Maximum working temperature	-10°C ÷ 110°C
Flow coefficient KV	for DN20: 6,3 [m³/h] for DN25: 12 [m³/h] for DN32: 16 [m³/h] for DN40: 25 [m³/h] for DN50: 40 [m³/h]
Dimensions of the 4-way valve	3/4" 1" 5/4" 6/4" 2"
Spindle rotation torque	<1 Nm
Types of heating medium	water, glycol (≤50%)
Material	Brass CW617N



POWER OF CONTROL



6098300

V-MIX ST 10/230

Actuator for valves has a knob, scale that shows how much valve is open or close and a switch enabling manual change of valve spindle position. V-MIX ST 10/230 is equipped with an adapter and a three-core cable 3 x 0.75 mm².



6098320

V-MIX STM 10/230

Actuator for valves **with a built-in constant temperature control**. Maintains a constant temperature of the heating medium with the limit temperature function switched on or off.



Basic features of the V-MIX STM 10/230 actuator:

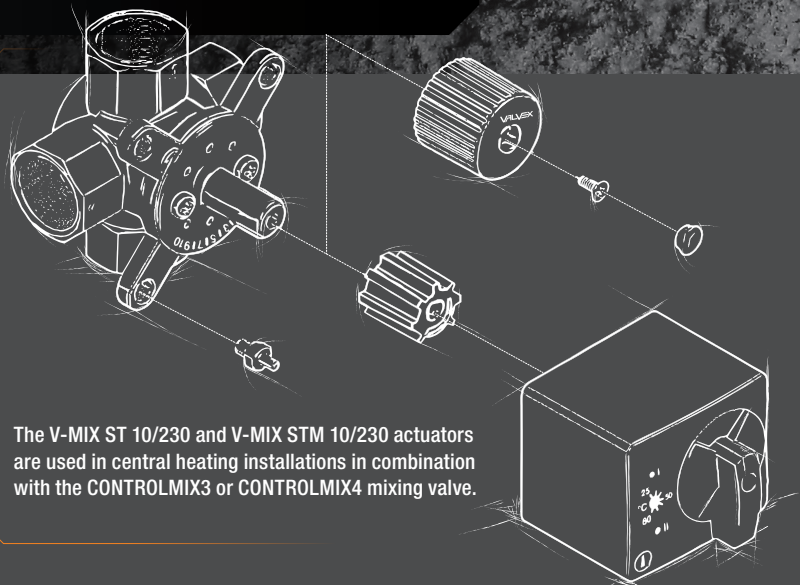
- ◆ electronic regulator and actuator in one compact housing,
- ◆ simple and easy assembly on mixing valves,
- ◆ indication of the actuator operation and errors by LEDs,
- ◆ manual operation switch.

The V-MIX STM 10/230 actuator has several **additional functions** (built-in DIP switch), such as:

- ◆ the direction of rotation of the actuator,
- ◆ minimum limit temperature,
- ◆ maximum limit temperature,
- ◆ protection against blocking the mixer.

TECHNICAL DATA

Max. torque	10 Nm
Power supply voltage	230 V – 50 Hz
Valve opening time	135 s
Rotation angle	90°
Protection class	II
IP	40
Operation switch	manual/automatic

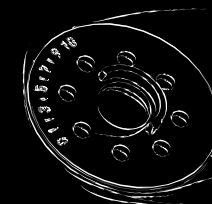


The V-MIX ST 10/230 and V-MIX STM 10/230 actuators are used in central heating installations in combination with the CONTROLMIX3 or CONTROLMIX4 mixing valve.

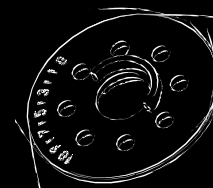
• CONSTRUCTION OF THE CONTROLMIX MIXING VALVE •



Ribbed non-slip knob
enabling the regulation of the degree of opening
of the valve in the range of 0° - 90°



RIGHT SIDE



LEFT SIDE

Clear, reversible scale
determining the precise setting of the valve and giving
the possibility of changing the position of the valve
in the installations

UNIQUE SOLUTION

PTFE sliding pads

- ▶ ensure smooth rotation of the valve stem
- ▶ inhibit scale formation between the stem and the valve body

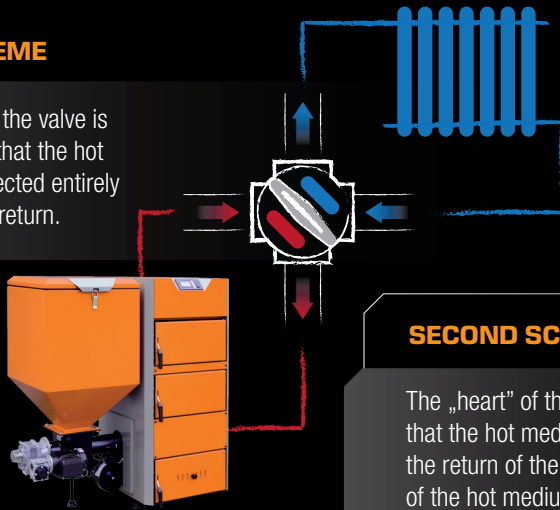
The valve body
made of brass

3 or 4-way CONTROLMIX mixing valves can be operated automatically with the aid of actuators from the VALVEX offer: ST 10/230 and STM 10/230.

FOUR-WAY VALVE AND ITS INFLUENCE ON THE INSTALLATION

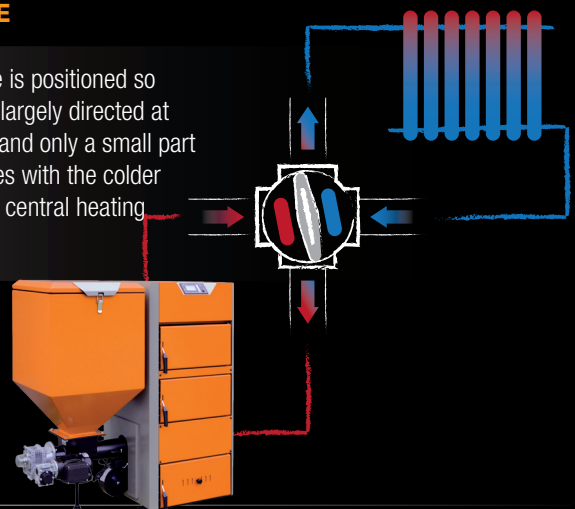
FIRST SCHEME

The „heart” of the valve is positioned so that the hot medium is directed entirely to the boiler’s return.



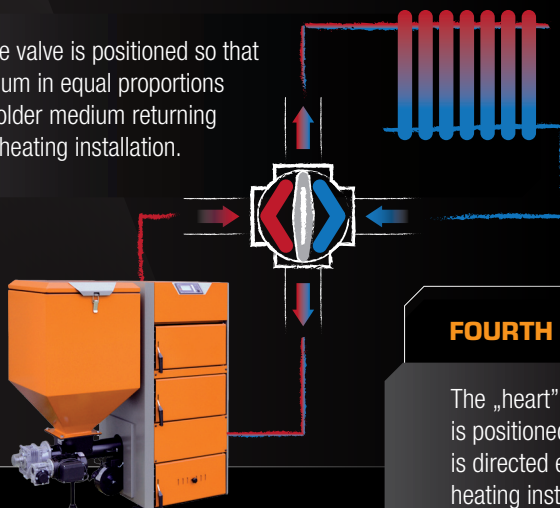
SECOND SCHEME

The „heart” of the valve is positioned so that the hot medium is largely directed at the return of the boiler and only a small part of the hot medium mixes with the colder medium returning from central heating installation.



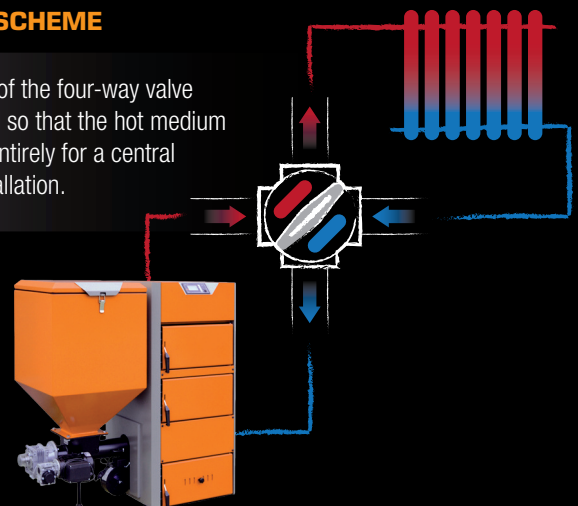
THIRD SCHEME

The „heart” of the valve is positioned so that the heating medium in equal proportions mixes with the colder medium returning from the central heating installation.



FOURTH SCHEME

The „heart” of the four-way valve is positioned so that the hot medium is directed entirely for a central heating installation.



MIXING VALVE SETS

by VALVEX

Three/four-way mixing VALVE SET with V-MIX ST 10/230 ACTUATOR



CONTROLMIX3 3/4" V-MIX ST 10/230	6093140
CONTROLMIX3 1" V-MIX ST10/230	6094140
CONTROLMIX3 5/4" V-MIX ST 10/230	6095140
CONTROLMIX3 6/4" V-MIX ST 10/230	6096340
CONTROLMIX3 2" V-MIX ST 10/230	6097140
CONTROLMIX4 3/4" V-MIX ST 10/230	6093160
CONTROLMIX4 1" V-MIX ST 10/230	6094160
CONTROLMIX4 5/4" V-MIX ST 10/230	6095160
CONTROLMIX4 6/4" V-MIX ST 10/230	6096350
CONTROLMIX4 2" V-MIX ST 10/230	6097130

Three/four-way mixing VALVE SET with V-MIX STM 10/230 ACTUATOR



CONTROLMIX3 3/4" V-MIX STM 10/230	6093180
CONTROLMIX3 1" V-MIX STM 10/230	6094180
CONTROLMIX3 5/4" V-MIX STM 10/230	6095180
CONTROLMIX3 6/4" V-MIX STM 10/230	6096360
CONTROLMIX3 2" V-MIX STM 10/230	6097180
CONTROLMIX4 3/4" V-MIX STM 10/230	6093200
CONTROLMIX4 1" V-MIX STM 10/230	6094200
CONTROLMIX4 5/4" V-MIX STM 10/230	6095190
CONTROLMIX4 6/4" V-MIX STM 10/230	6096370
CONTROLMIX4 2" V-MIX STM 10/230	6097190

Three/four-way mixing VALVE SET with Controller for mixing valves V-THERM

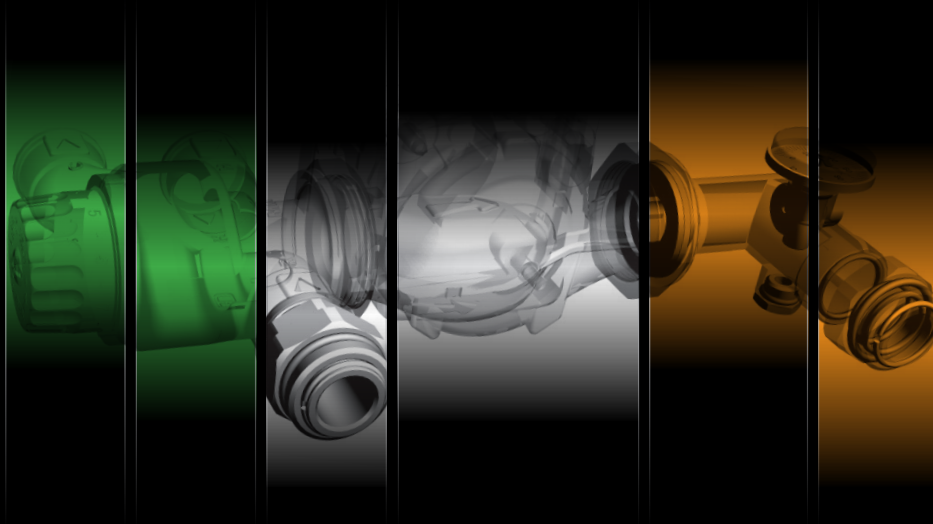
- CONTROLMIX3 3/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX3 1" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX3 5/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX3 6/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX3 2" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX4 3/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX4 1" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX4 5/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX4 6/4" V-MIX ST 10/230 with V-therm controller
- CONTROLMIX4 2" V-MIX ST 10/230 with V-therm controller

6093220
6094220
6095280
6096380
6097220
6093240
6094240
6095290
6096390
6097240



V-THERM CONTROLLER is designed to operate a 3 or 4-way mixing valve with the option of connecting an additional pump. The most important advantages are:

- weather control function, weekly program,
- the possibility of cooperation with a room regulator,
- remote service capability through the use of an internet module; temperature preview of each sensor, introduction of temperature changes for both pumps and mixing valves.



VALVEX[™]
Power of Quality

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