

Pump group DN 25  
**SA, SMTc, SMT**

red line



**Mounting and Operating Instructions**



**WOMIX**

Ul. Elizy Orzeszkowej 11

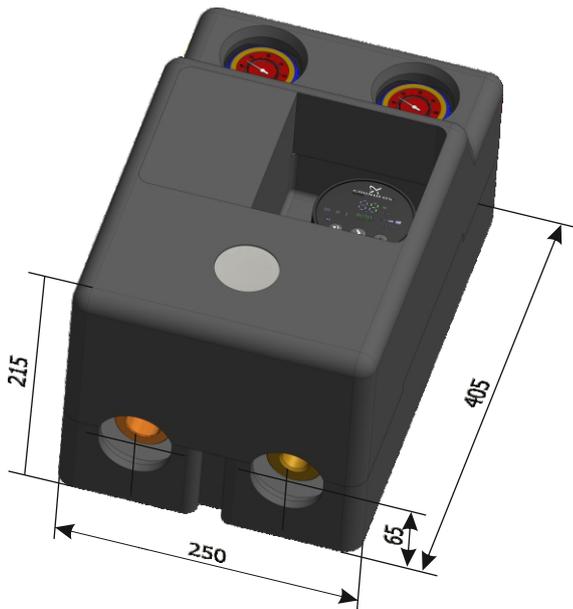
89-200 Szubin

tel./fax +48 52 382 44 50 fax +48 52 382 44 51

www.womix.com.pl e-mail: biuro@womix.com.pl

## Pump group DN 25

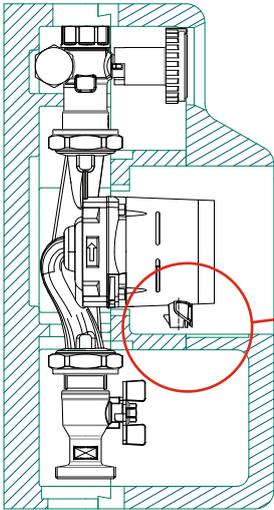
### Insulation Pump group



The new isolation fits the pump groups of DN 25 and DN 32. With open space at the site of pumps installation, we can change the settings of electronic pumps, observe of the state of its work and most importantly protect the electronics of the pump before high temperature.



## Cutting insulation - electric plug

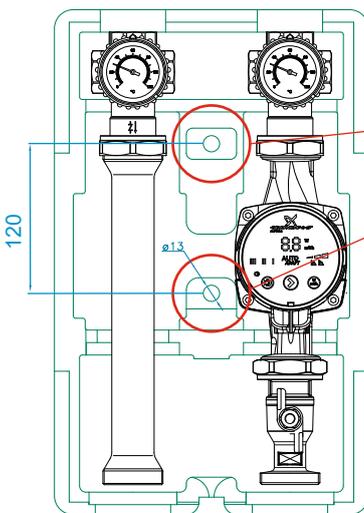


Because, on the market there are many different pump models from different manufacturers, isolation is sealed at the mounting location of power plug from the pump. Pumps are of different width as well as being various types of plug (straight, angled). Therefore, in the installation site plug, cut a hole in the insulation for example with nife.

This concept gives us the versatility of isolation, so we have the ability to cutouts the insulation only in the place where it is necessary.

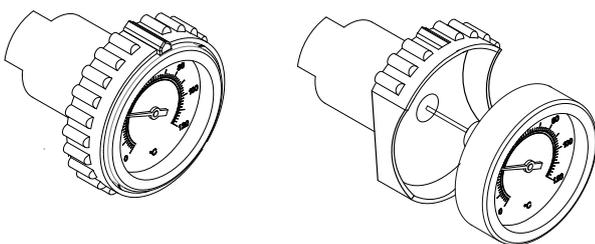
Pump group provided by our company with pumps are already prepared and cleared for the specific model electrical plug.

## Wall mounting



If the pump group is mounted independently, without the zone manifold, we have the ability to mount it on the wall. In isolation at designated locations in the picture are depressions. To mount on a wall, you deepen the holes in the insulation with bit fi 13 mm or less and using expansion plugs and insulation pads screwed to the wall.

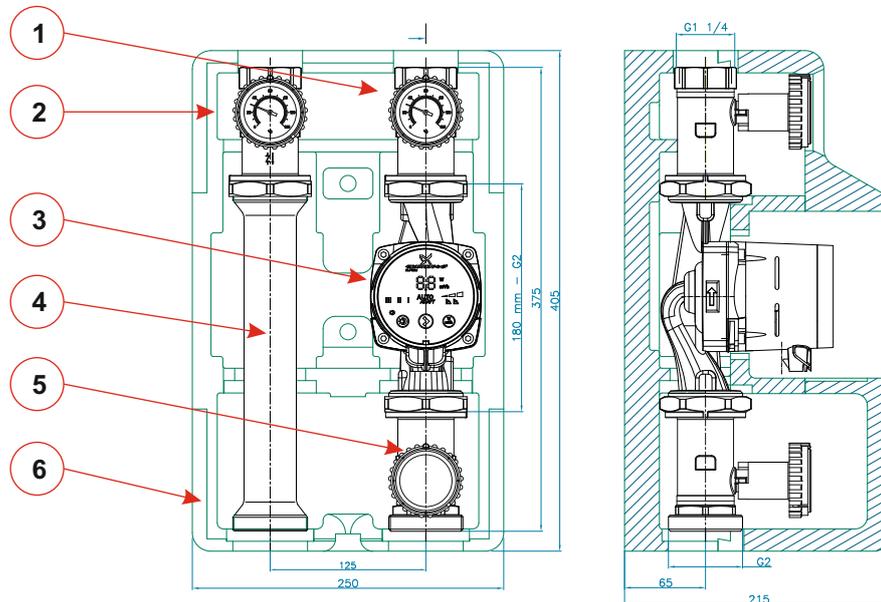
## Replacement of the thermometer



Ball valves mounted on flow and return of the pump group are equipped with thermometers. The thermometer can be changed according to the attached drawing.

In the plastic handle is incision to lever and pull out thermometer.

## Pump group SA 125 - DN 32 without mixing valve/ Direct unit



1. Ball valve with thermometer 0-120oC - supply side with the red handle.
2. Ball valve with thermometer 0-120oC, check valve - return side with the blue handle.
3. The circulating pump (Optional) Grundfos or Wilo.
4. Connector steel (spacing 280mm).
5. Ball Valve with steel handle.
6. Insulation EPP.

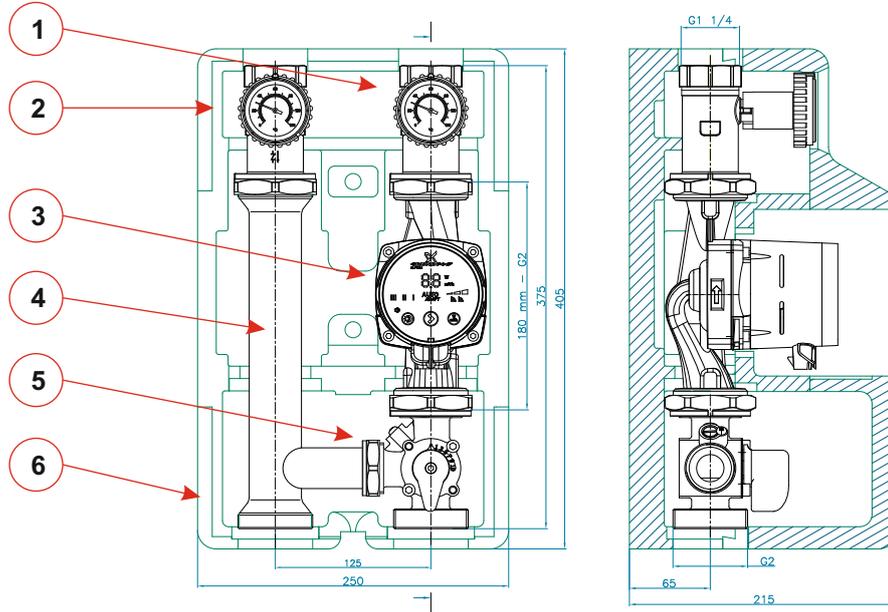
Compact pump group SA 125 - DN 25 is equipped with three brass ball valves including two with thermometers on flow and return (with built-in check valve) steel connector and insulation. On request, the group can be equipped with a pump Grundfos or Wilo.

**WARNING!** Group comes from the supply side to the right. Sides can be switched.

Specifications:

Max pressure:	8 bar
Max temperature:	110 °C
Insulation material:	EPP black 60g/l
Axle spacing:	125 mm
Gaskets material:	VITON/EPDM
Connections:	
supply side:	1"
return side:	1 1/2"
Installation length of pump:	180 mm
Connection of the pump:	1 1/2"

## Pump group SMT 125 - DN 32 with thermostatic mixing valve/Thermostatic Unit



1. Ball valve with thermometer 0-120°C - supply side with the red handle.
2. Ball valve with thermometer 0-120°C, check valve - return side with the blue handle.
3. The circulating pump (Optional) Grundfos or Wilo.
4. Connector steel (spacing 280mm).
5. Mixing valve 3-way MIX MT 32 with bypass.
6. Insulation EPP.

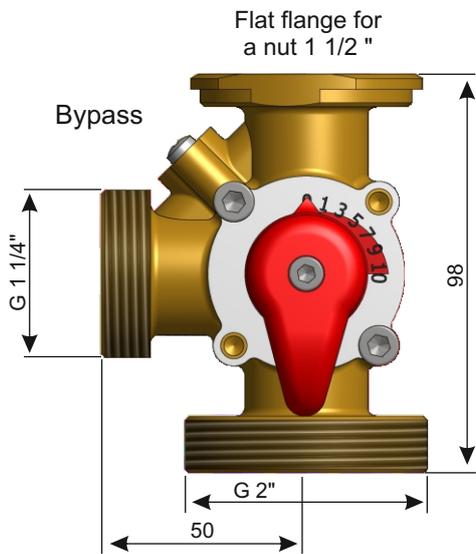
Compact mixing group SMT 125 - DN 25 is equipped with a brass three-way mixing valve T type, two brass ball valves with thermometers flow and return (with built-in check valve) connector steel and insulation. MIX MT mixing valve is equipped with a bypass. On Requests group can be equipped with a pump Grundfos or Wilo. Additionally to ensure automatic operation of the mixing valve must be equipped with an actuator MP 06 - 6Nm.

**WARNING!** Group comes from the supply side to the right. Sides can be switched.

### Specifications:

Max pressure:	8 bar
Max temperature:	110 °C
Insulation material:	EPP black 60g/l
Axle spacing:	125 mm
Gaskets material:	VITON/EPDM
Connections:	
supply side:	1"
return side:	1 ½ "
Installation length of pump:	180 mm
Connection of the pump:	1 ½ "

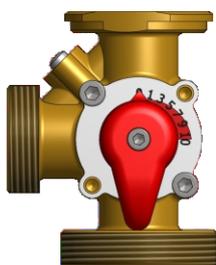
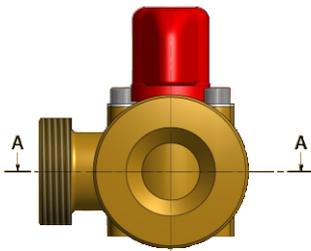
## Mixing valve MIX MT 32



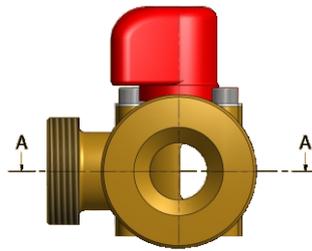
3-way Mixing valve MIX MT 25 for straight-through flow, applies to small and medium-sized central heating system. It can be adjusted manually or automatically by the MP actuator 06. The body and valve plug covers are made from forged brass CW 617N.

## Possible way of work of mixing Valve

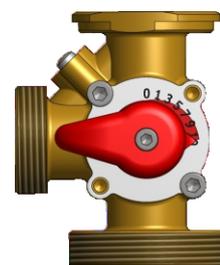
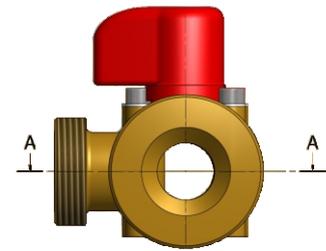
mixing valve closed



mixing valve partially open, mixing proportional

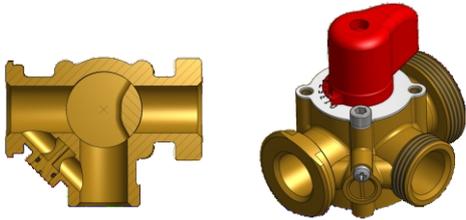


mixing valve open

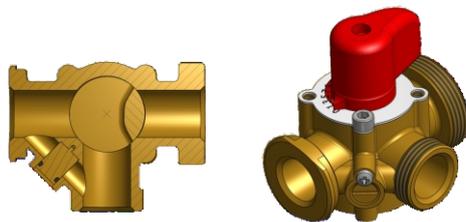


## Setting bypass

Bypass in mixing valve **MIX MT** make special flow between supply and return irrespective of work of valve heart.

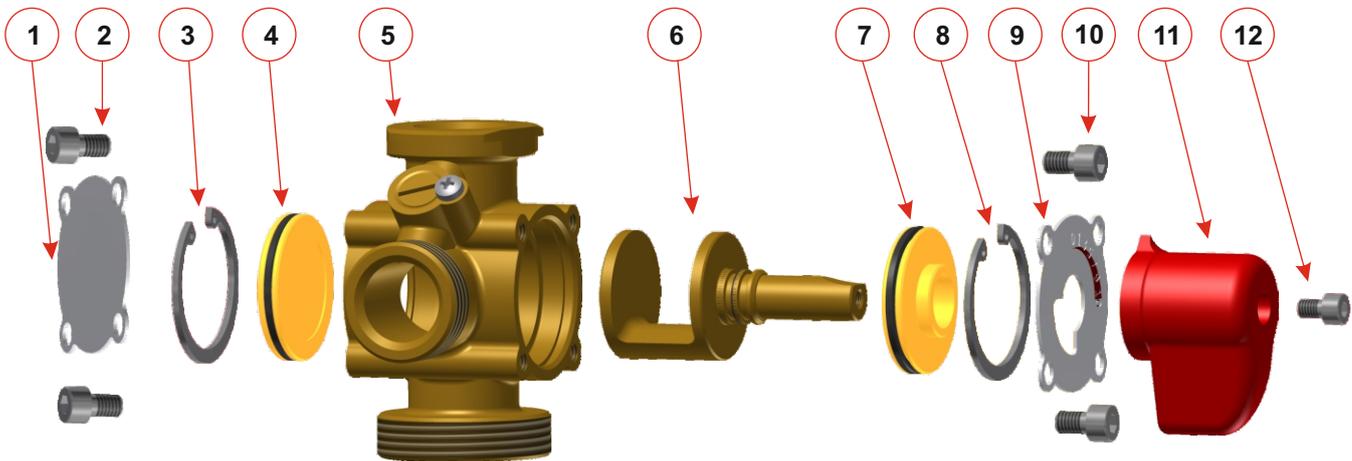


Bypass closed



Bypass open

## The construction of of mixing valve **MIX MT 32** - change the supply side from right to left.



To change sides supply from right to left in the mixing valve we need:

1. Unscrew the screw M5 (12) handle (11), unscrew the screws M6 (10) scale (9), unscrew the screws

M6 (2) plate (1).

2. Use pliers to remove the ring Seger (3), push the plug valve (4).

3. Use pliers to remove the ring Seger (8), push the lid sealing valve (7).

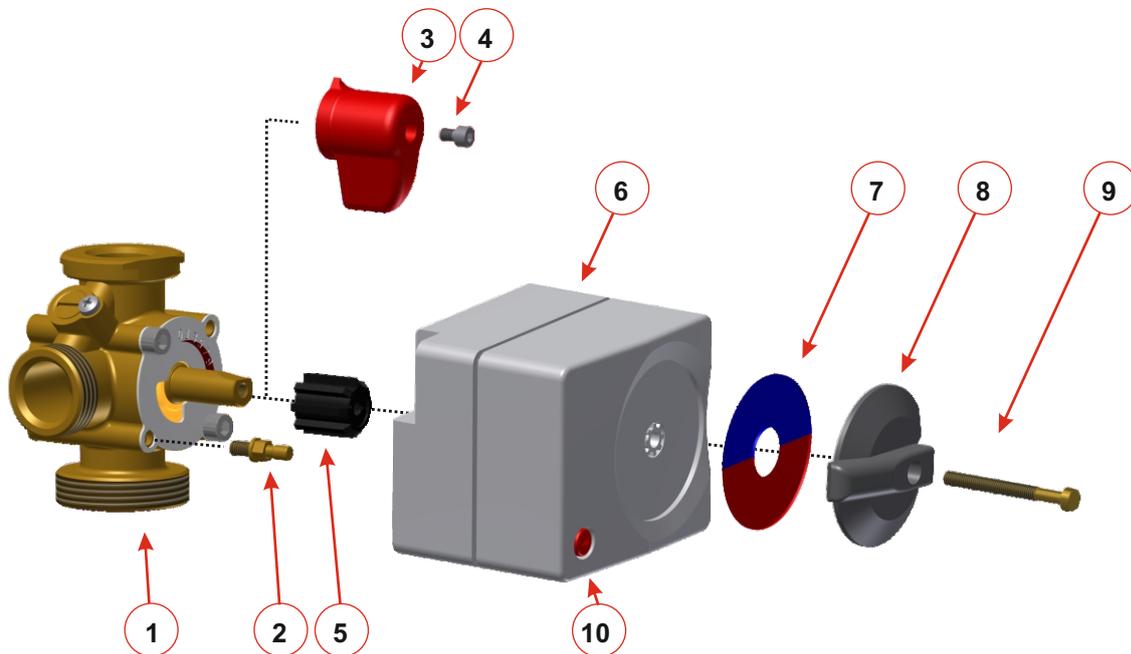
4. Remove the plug (6) and insert it into the body vice versa mixer (5).

5. piece together the opposite valve cover (4) and (7) and lock rings Seger.

6. Tighten the scale (9) and plate (1), tighten the handle.

**WARNING!** These activities should be carried out carefully to avoid damaging the seals of mixing valve.

## Instructions for mounting the actuator MP06 at the mixing valve MIX MT



1. Set the mixing valve in the closed position (0 on the scale) or open (10 on the scale).
  2. Remove the handle [3] of mixing valve [1] by removing the screw [4].
  3. Screw the brass screw [2] into the cut-out at the bottom of the actuator [6]. The brass screw [2] prevents rotation around its axis of mixing valve body [1].
  4. Apply the valve plug adapter [5].
  5. Place the actuator [6] on the adapter [5], so that the screw [2] hit the cut-out at the bottom of the actuator.
  6. Apply scale [7] on actuator [6]. The scale determines the correct position way mounting the valve in the system. When movement to the right closes the plug scale valve should be turned 180 degrees so that the blue part was on the right side
  7. Put the handle [8].
  8. Tighten the screw [9].
- The switch manual / automatic [10] enables us to validate the installation of the actuator.

## Examples of assembling a group with mixing valve MIX M Installation diagrams and scale setting

**The factory setting**

