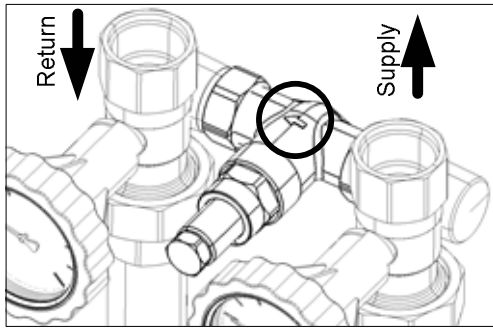
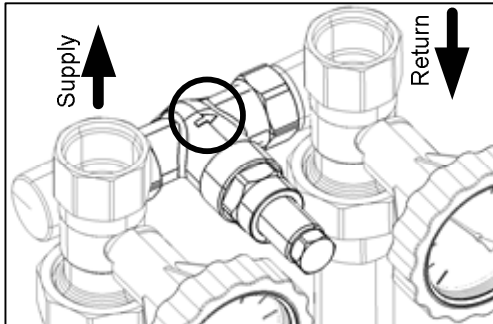


Art. 03901 - By-Pass Valve

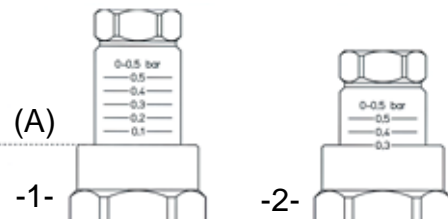
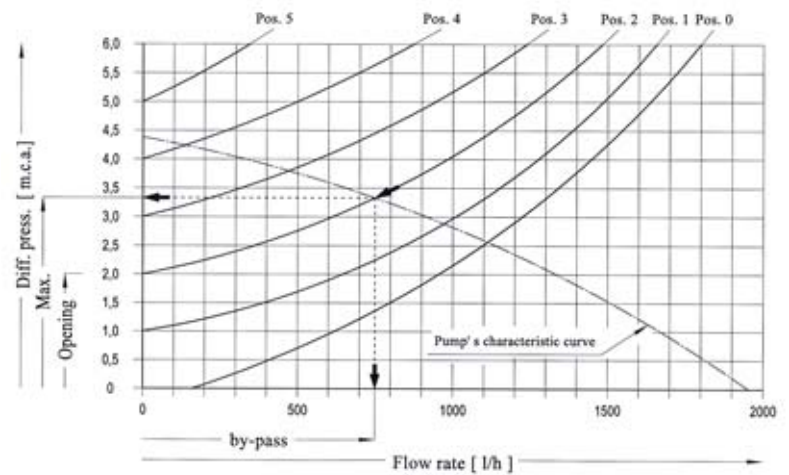
Mounting and setting directions



Right Supply



Left Supply



Place the Differential By-Pass Valve with the arrow towards the return.

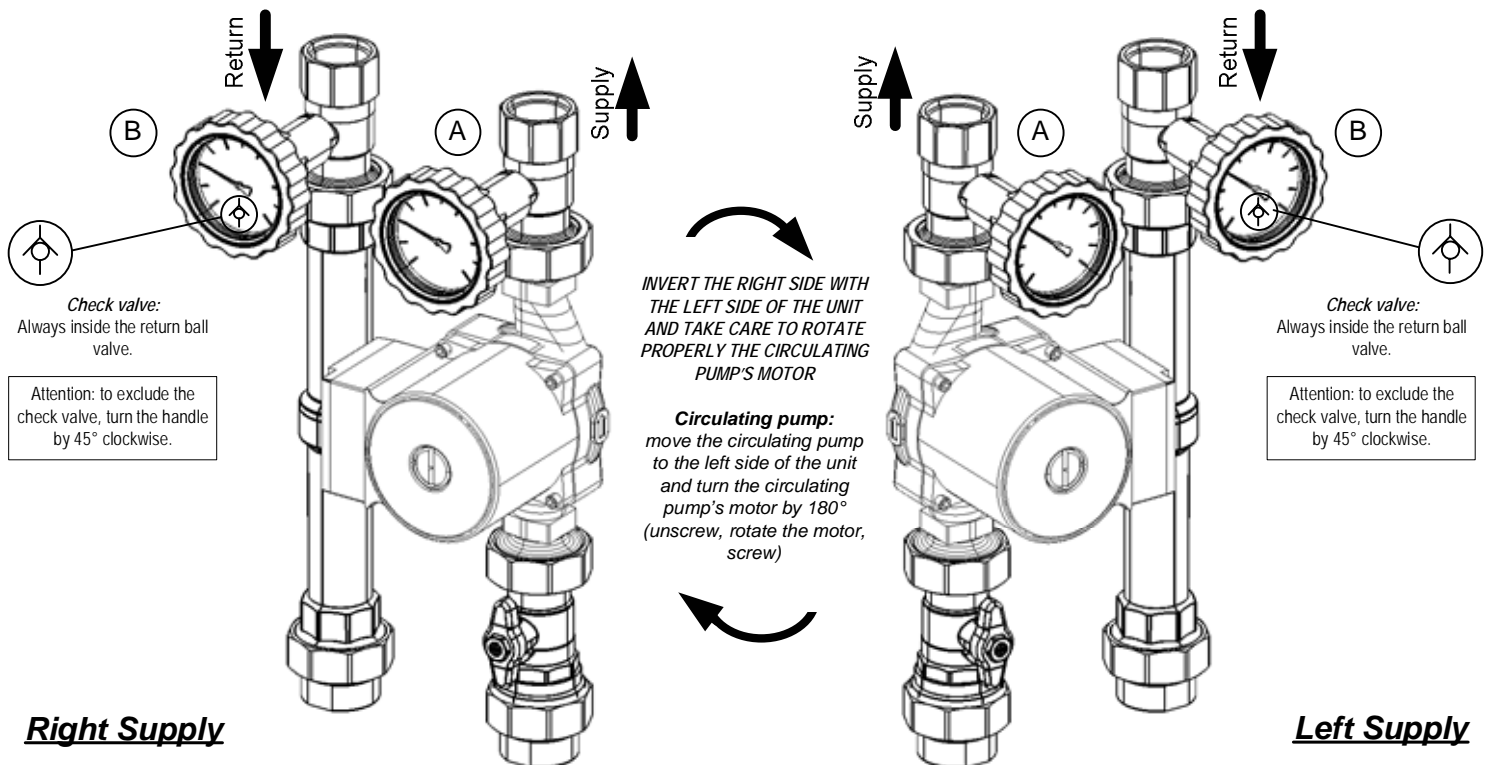
The data of the diagram can be used to set the valve.

Pict.1. The notch reference of the setting is the top of the nut (A).

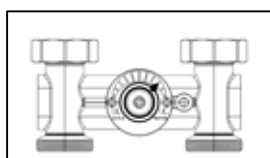
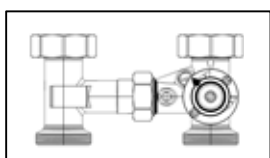
Pict.2. Example of the setting at the value of 0.3 bar.

Unit for connection to 1" circulating pumps

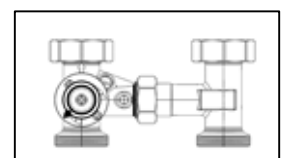
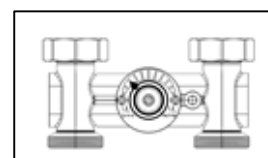
Directions to invert the unit from the right supply to the left supply



(A) - Supply ball valve (red ring thermometer) (B) - Return ball valve (blue ring thermometer) with check valve.



For M3 and M4 models: to invert the housing of the mixing valve please refer to the proper instruction sheet.



Unit for connection to 1" circulating pumps with By-pass

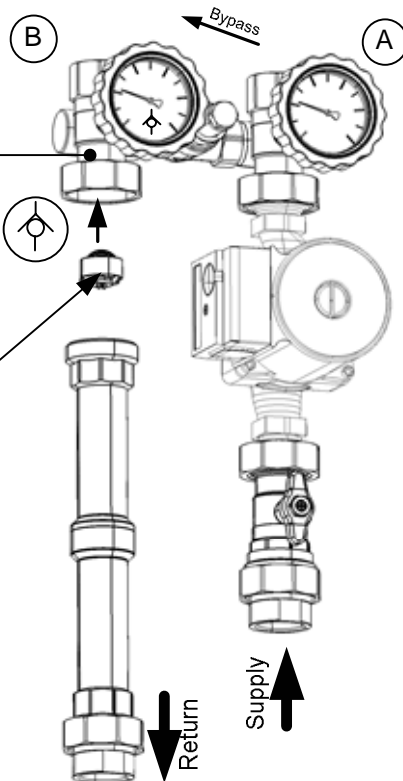
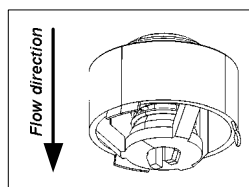
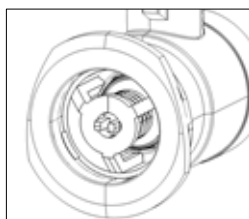
Right Supply - Mounting and setting directions

Check valve:

The check valve is supplied as a standard component (it is placed into a proper housing in the centre of the bottom of the insulating box).

The check valve has to be placed inside the neck of the ball valve flange of the return side. Push it gently into the ball valve until you hear a click.

Attention: to exclude the check valve, turn the handle by 45° clockwise.



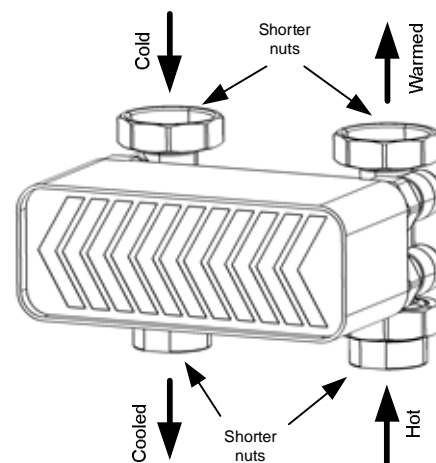
Directions to place the unit (right supply):

The only operation requested to place the unit is the housing of the check valve, as above indicated. There is only one right direction to house the check valve: the flow direction.

(A) - Supply ball valve (red ring thermometer)

(B) - Return ball valve (blue ring thermometer) with check valve.

Exchange Pump unit with heat exchanger



When you install a pump unit with heat exchanger please pay attention to the following directions:

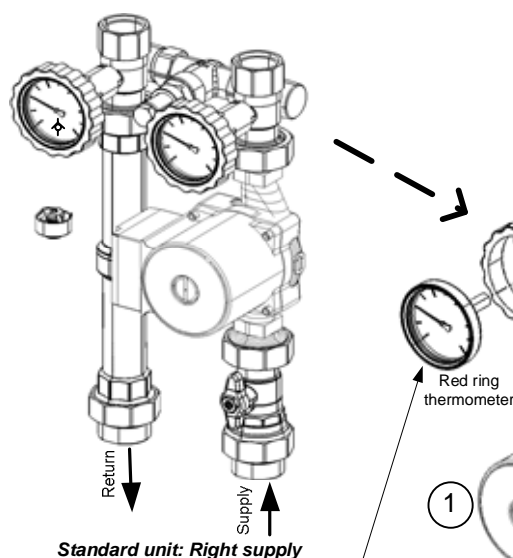
a) - The nuts are shorter compared with the standard ones. Therefore they are not interchangeable with the nuts of the ball valves.

b) - The heat exchanger must be placed in the same way showed in the picture above: the shaped reliefs "in the shape of an arrow" on the front part of the heat exchanger must be oriented to the left.

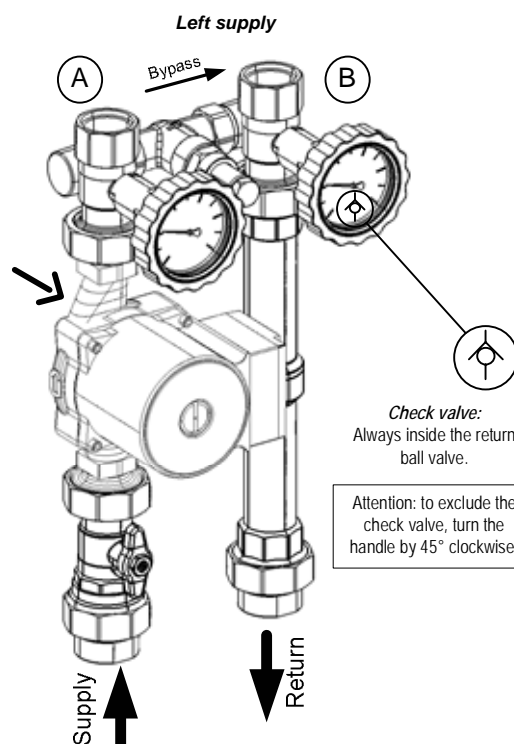
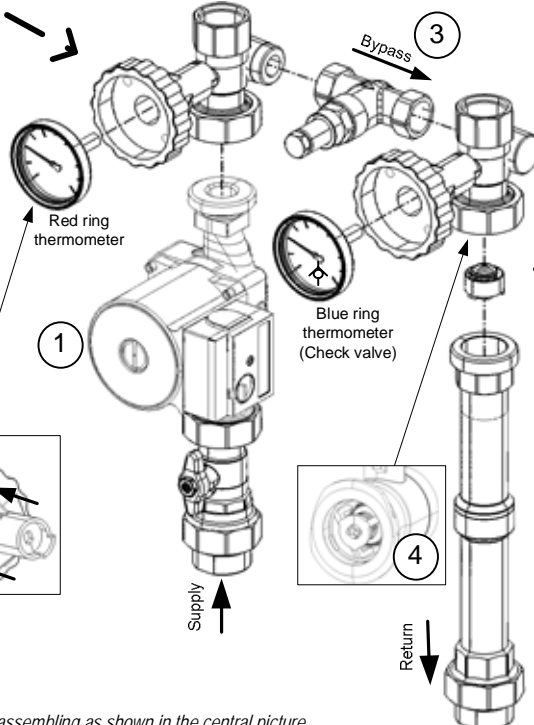
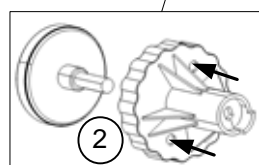
Monophase counter-current function (heating function)

Unit for connection to 1" circulating pumps with By-pass

Left Supply - Directions to invert the unit from the right supply to the left supply



Standard unit: Right supply



Check valve:
Always inside the return ball valve.

Attention: to exclude the check valve, turn the handle by 45° clockwise.

Directions to invert te unit:

Disassemble the parts and arrange them for the assembling as shown in the central picture.

(1) - Place the circulating pump on the left side of the unit and rotate its motor by 180° (unscrew the special screws)

(2) - Invert the placing of the thermometers. To take them out from the handle push on the back holes (see the picture). Place the blue thermometer on the return side and the red thermometer on the supply side.

(3) - Rotate the by-pass and place it in the same direction of the arrow (directed towards the hot side of the unit)

(4) - Place the check valve into the ball valve on the return side of the unit (see above directions).

(A) - Supply ball valve (red ring thermometer)

(B) - Return ball valve (blue ring thermometer) with check valve.

For M3 and M4 models: to invert the housing of the mixing valve please refer to the proper instruction sheet.

