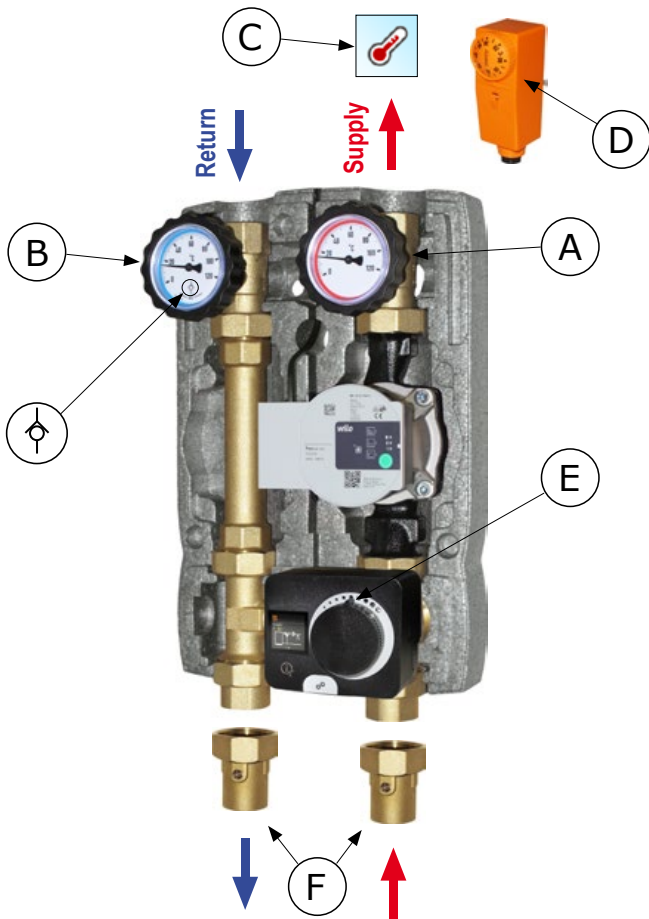




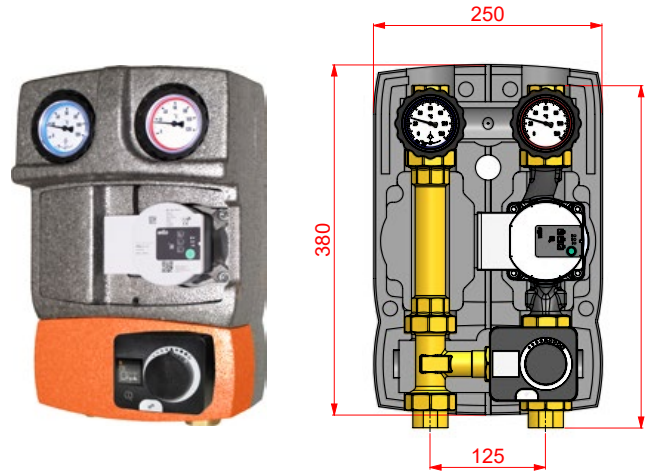
Installation instructions



DIMENSIONS

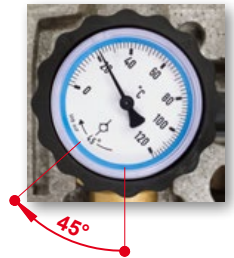
EPP insulation box: the insulation covering includes a central inside part that hugs the circulating pump and that allows the passage of the cable of the circulating pump. Outlets for the passage of the cables towards the upper part and the lower part of the insulation box.

Dimensions: 250x380x170 mm.



20 mbar CHECK VALVE

It is always inside the ball valve (B) of the return way, it prevents the natural circulation of the fluid (thermosiphon effect). The check valve can be excluded by rotating the handle by 45° clockwise from the opening position.



SERVICE

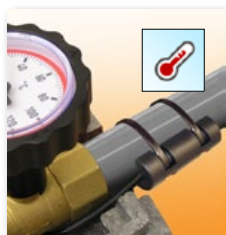
We recommend you to install two isolation ball valves (F) (optional) before the pump unit to allow an easy service or replacement of the pump unit components. In this case close the valves (A), (B) and (F) by rotating the relevant controls clockwise. Once the service is over, open again the valves and restore the pressure of the installation.

TECHNICAL FEATURES

PN 10. Maximum temperature 110°C (calculated with pump unit without circulating pump). Available external connections: 1" F

SUPPLY SENSOR

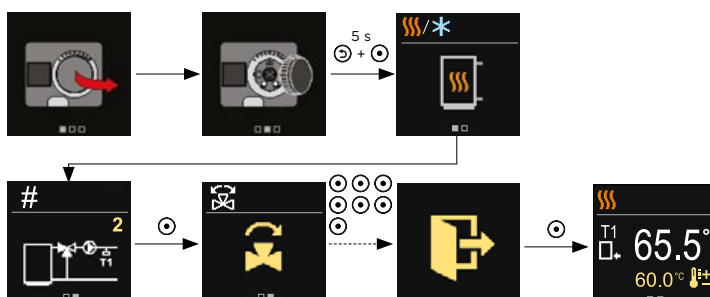
The supplied supply sensor (C), must be installed in contact on the supply pipe (follow the instructions in the servomotor manual).



SERVOMOTOR

The electronics of servomotor (E) keeps constant the set temperature of the supply way, monitoring it by means of a sensor (C) mounted on the pipe. Display of the measured temperature and target temperature, on reversible LCD display. **Adjustment of target temperature adjustable from 5°C up to 90°C. Operating range of 90°. Power supply 230V, 2 min, torque 6 Nm. IP42.**

Factory settings



SAFETY THERMOSTAT

A safety thermostat (D) is included, which allows interrupting the supply of the circulator if the temperature on the supply pipe exceeds the temperature set on the thermostat.

- ✓ Bimetallic unipolar thermostat with contact on interruption or on switching
- ✓ Setting range: 20÷90°C;
- ✓ Differential: 8 ± 3 K (adjustable);
- ✓ Power on contacts: 16 (2,5) A / 250 V AC;
- ✓ Protection: IP20.



Read carefully the servomotor instruction sheet, included in the package with this manual.

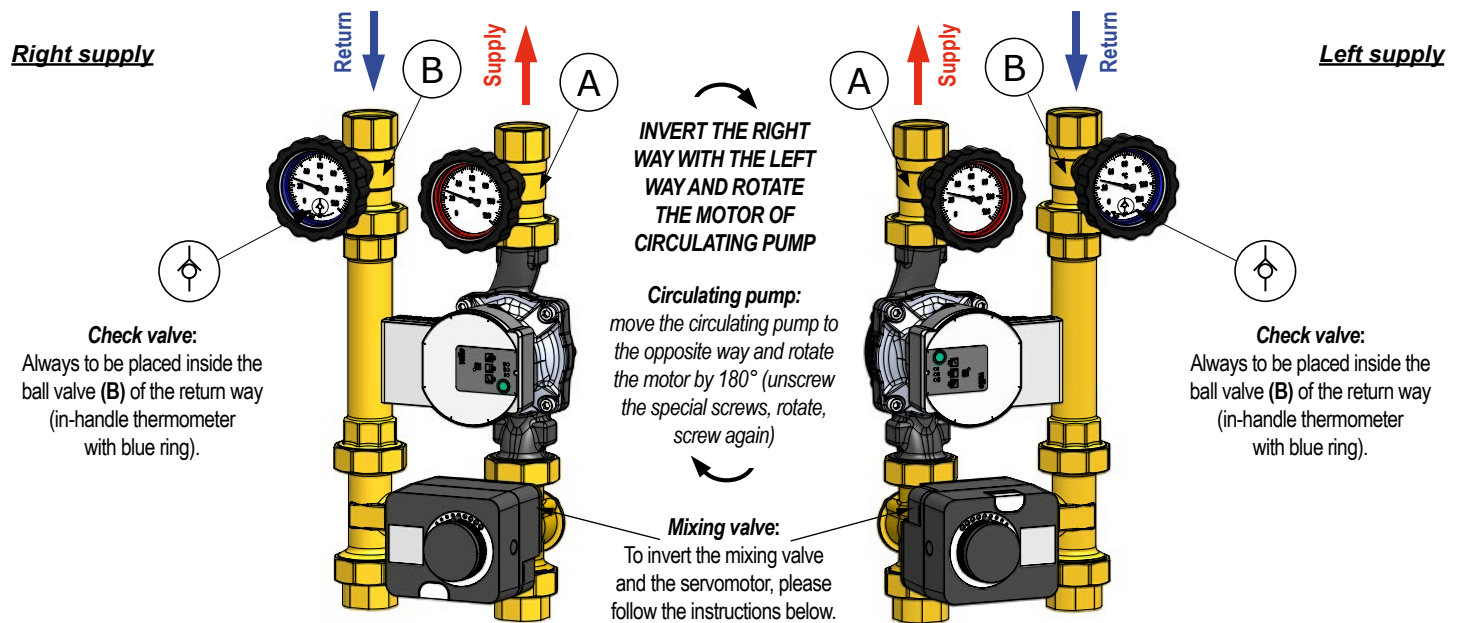


The electrical connections have to be done only by an electrician, in compliance with the local regulations in force.

M2 MIX3 FIX MIXED PUMP UNITS - DN25 SERIES

INVERSION OF THE PUMP UNIT. LEFT SUPPLY.

All M2 MIX3 FIX pump units can be inverted to change the supply way from right side (the most popular execution) to the left side.



- (A) Ball valve on the supply way (in-handle thermometer with red ring)
- (B) Ball valve on the return way (in-handle thermometer with blue ring) with check valve

INSTRUCTIONS TO INVERT THE MIXING VALVE

Inversion of the mixing valve from right to left supply. Please follow the directions:

1. Remove the servomotor
2. Remove the fixing screws of the rod plug and of the back plug; then take out the components as shown in the illustration
3. Mount again the components in the inverted position, following the illustrations and make sure to match the reliefs on the body (A) with the respective seats (B) for both plugs. Screw again the four fixing screws.
4. Place the knob indicator on the scale "VL links" for the left supply, or "VL rechts" for the right supply.
5. Reassemble the servomotor: for the configuration of the opening/closing direction, refer to the servomotor instructions.
6. Move the return temperature sensor, keeping it on the supply pipe.

Mounting of the servomotor: positioning at 45° of the rod:

