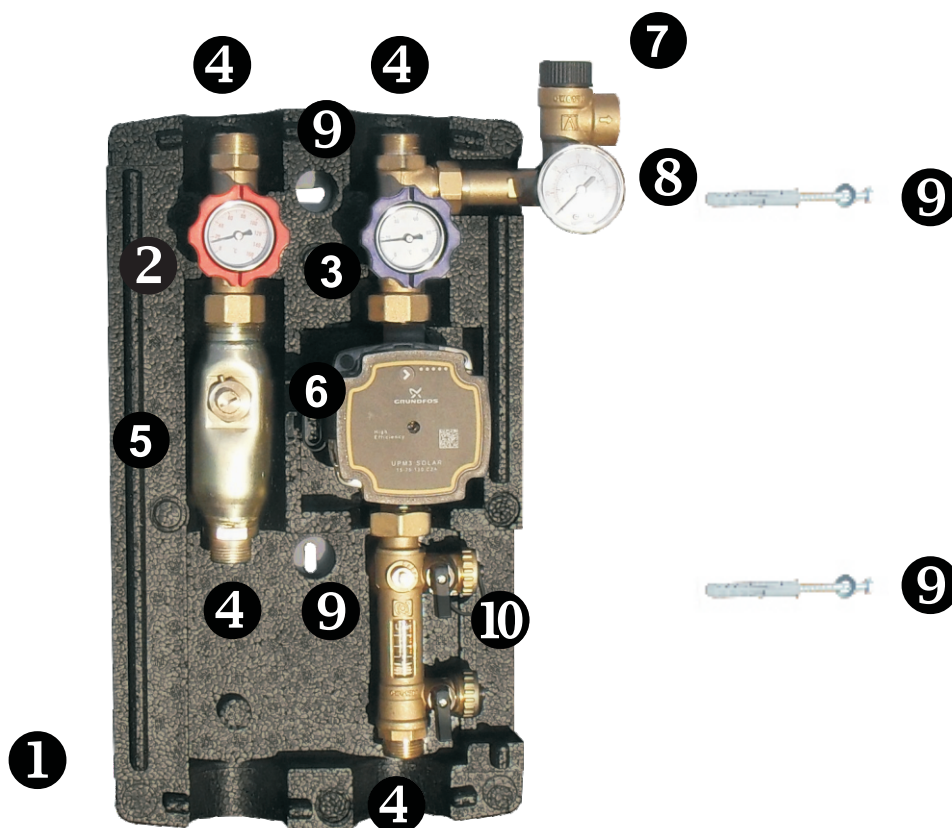

THE SOLAR PUMP GROUP GPS PWM GRUNDFOS



SUNEX[®]

400001408 - The solar pump group GPS PWM GRUNDFOS

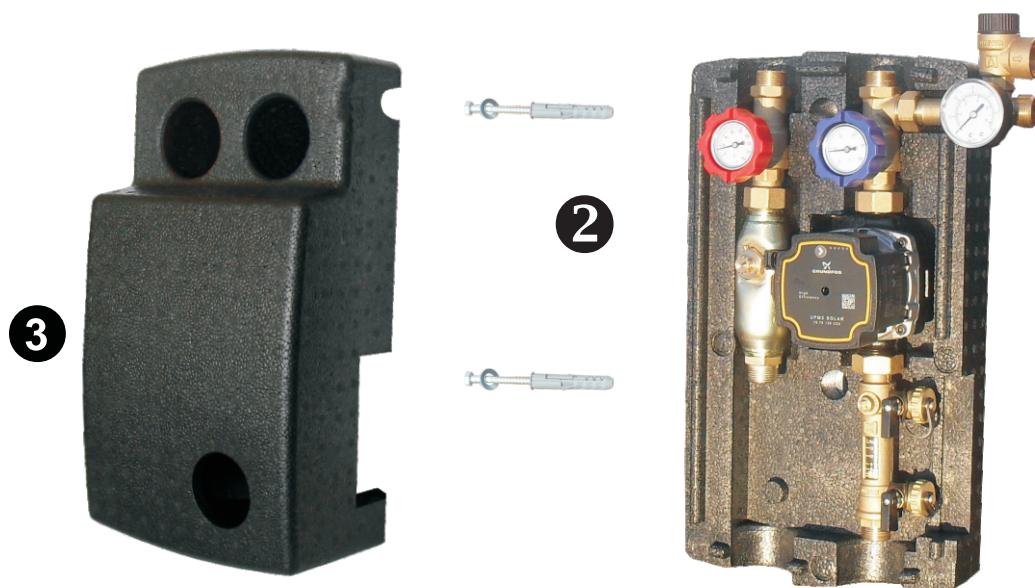
The elements of pump group



1. Base of casing
2. Thermometer (range 0-160°C) with ballcock and return valve – red
3. Thermometer (range 0-100°C) with ballcock and return valve – blue
4. Connection 3/4" (external thread)
5. Air separator with manual vent
6. Solar pump Grundfos UPM3 15-75
7. Safety group with safety valve 6 bar and manometer 10 bar
8. Connection for expansion valve
9. Stretcher pin
10. Rotameter 2-12l/min

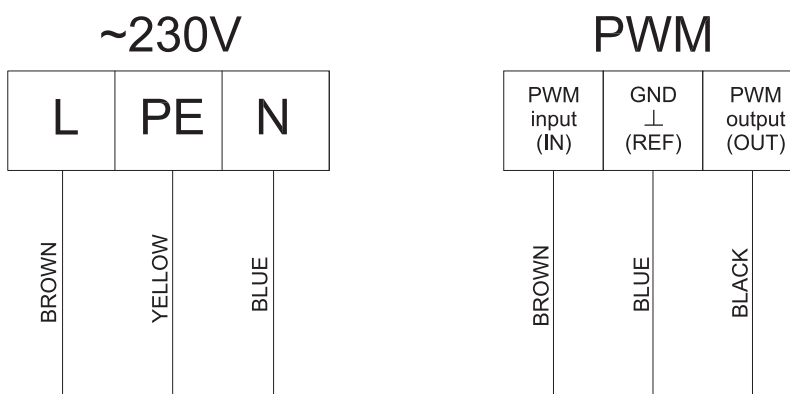
Assembly of the pump group on the wall

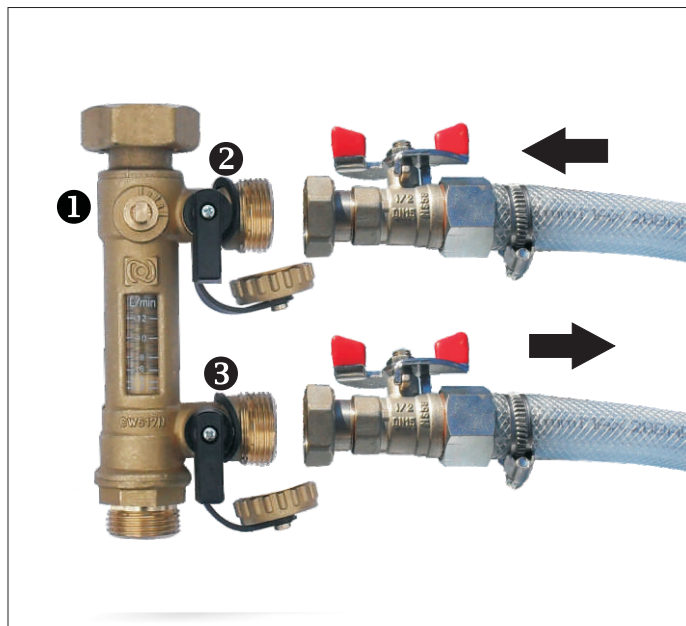
1. Planing a place for the assembly of the base of pump group casing.
2. Assembly of the base of pump group casing with the help of 2 stretcher pins.
3. Fixing cover.



Electric connection

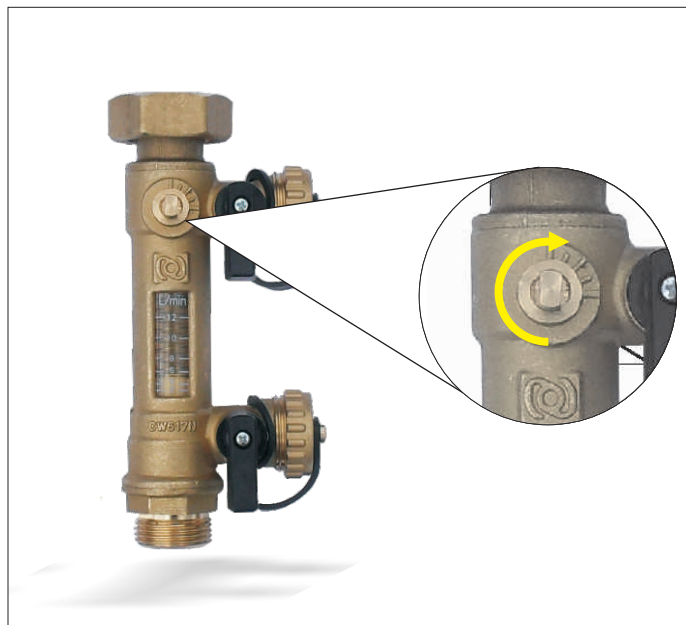
- ☞ One should connect the three line PWM cable to signal pins of solar regulator.
- ☞ One should connect the three line 230V cable to power pins of solar regulator.





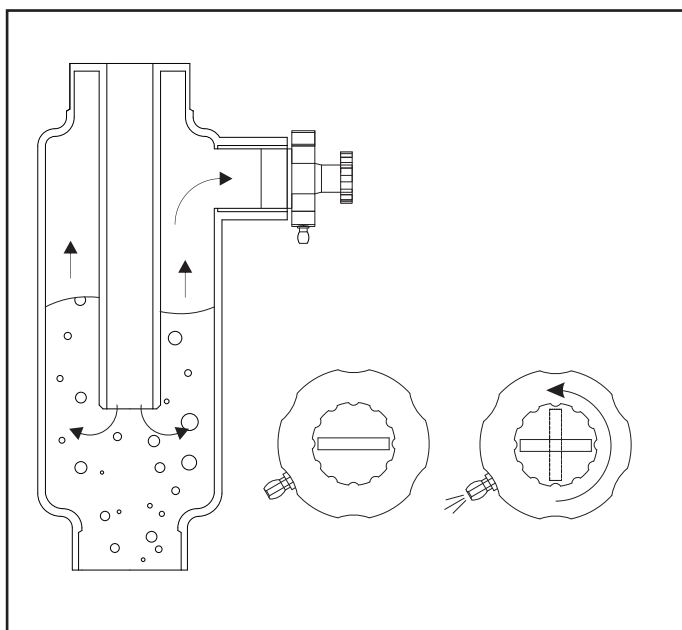
Filling installation

Connect the upper feeding flexible tube to the upper connection and the return flexible tube to the lower. Open cut ball-taps on flexible tubes. Open valves 2 and 3, but 1 must be closed for the extortion of turnover during filling. The filling station presses working factor to the installation through the upper valve. It is possible to complete filling in the moment when the solar installation doesn't have air bubbles inside. After filling the installation valve 1 should be opened so that the heat carrier can freely flow through rotameter.



Flow setup

On solar regulator with the function of the regulation of turns PWM we give the difference of temperatures between feed of collectors and the tank, the result of which the driver automatically steers by the turns of pump by taking the more optimal flow (reception of warmth).



Deaeration

In order to deaerate the installation it is necessary to turn manual control of the deaerator until liquid comes through the deaerator.

Technical parameters

Max. pressure	6 bar
Max. temperature	110 °C
Type connecting conduit pipe	External thread 4×¾"
Connecting for filling installation	External thread 2×¾"
Connecting for expansion vessel	External thread ¾"
Cover size	460×310×125mm
Weight	5,1 kg
Pump characteristic	According to mentioned draft

Pump characteristics

