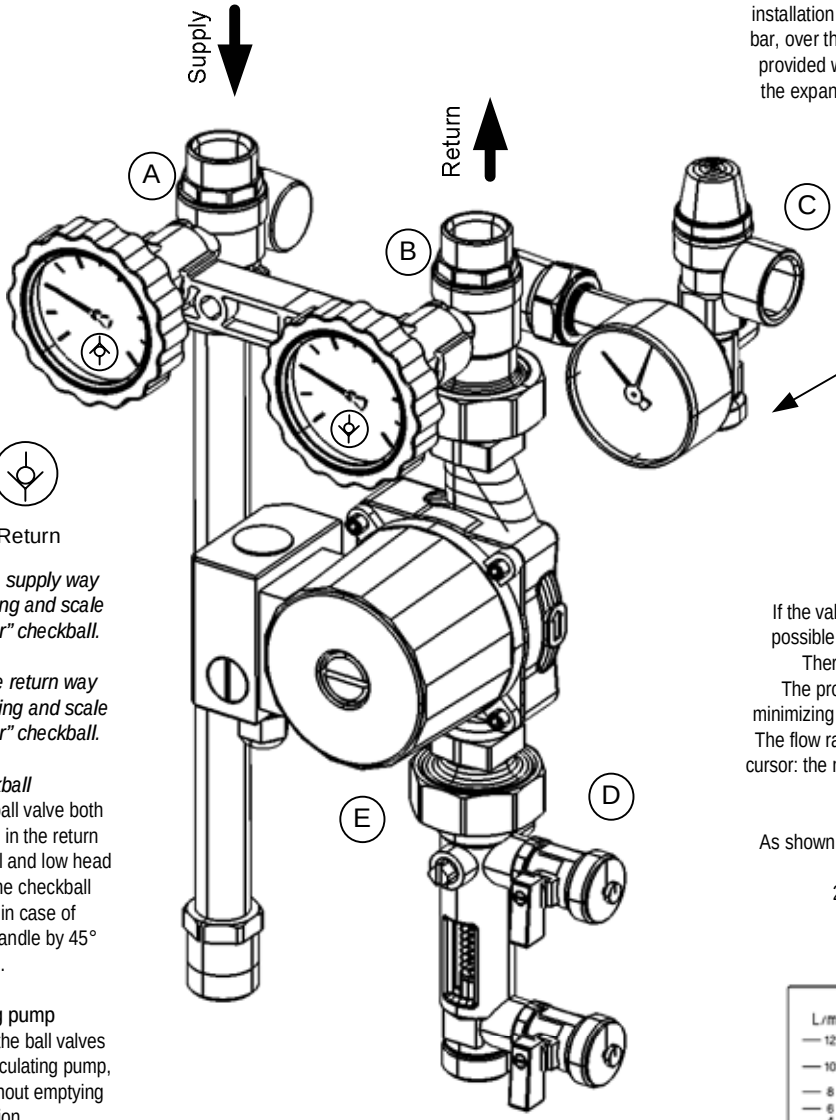
Pumping station 2-way “Solar 2”



Supply Return

(A) Ball valve on the supply way (thermoter with red ring and scale 0-120°C) with “Solar” checkball.

(B) Ball valve on the return way (thermoter with blue ring and scale 0-120°C) with “Solar” checkball.

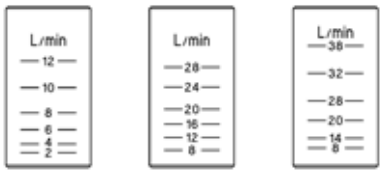
Solar Checkball
It is included into the ball valve both in the supply way and in the return way. It ensures the seal and low head losses. To exclude the checkball valve, for instance in case of emptying rotate the handle by 45° clockwise.

(E) Circulating pump
Thanks to the seal of the ball valves before and after the circulating pump, it can be removed without emptying the installation.

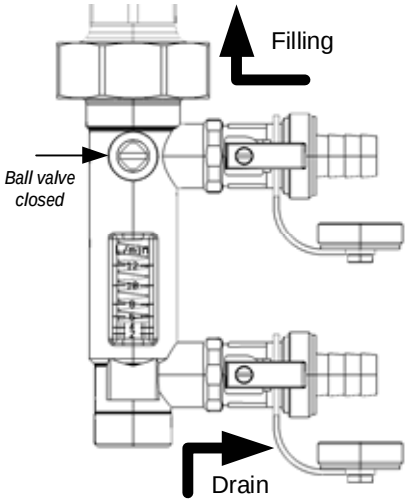
(C) Security unit
The security unit, CE and TUV approved, protects the installation from the overpressures. It is calibrated at 6 bar, over this pressure the security unit starts. It is also provided with a manometer and with a connection to the expansion vessel by a 3/4" flexible kit (optional), see here at the right.

(D) Flowmeter
If the valve is closed the usual circulation is cut off, it is possible to use the side filling tap to fill the installation. There is also another side tap, for the draining. The proximity of the two taps helps these operations minimizing the distance between the filling and the draining. The flow rate is measured and shown by the special sliding cursor: the measurement is immediate thanks to the proximity to the regulation valve.

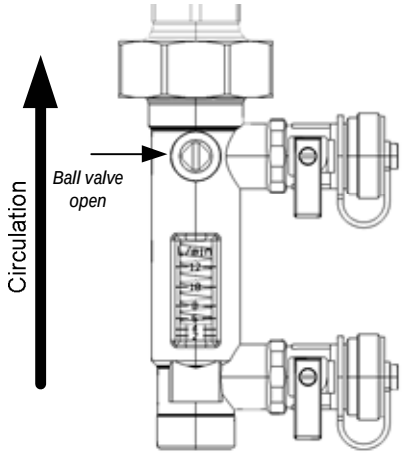
As shown hereinunder three flowmeters are available with different intervals of measurement:
2-12 L/min, 8-28 L/min and 8-38 L/min.



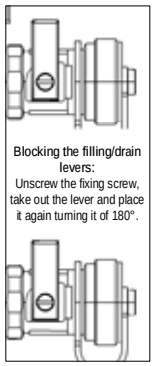
Directions for the use of the flowmeter to fill the installation:



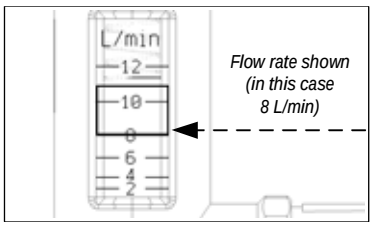
(1) - Filling the installation:
Remove the plugs from the side valves and connect the hose unions. Close the ball valve and open the side filling valve and draining valve.



(2) - Starting the installation working:
Open the ball valve and close the side filling and draining valves.
Remove the hose unions and screw again the plugs.
To avoid any casual opening of the side valves, it is better to stop the levers in the close position, as shown here aside.

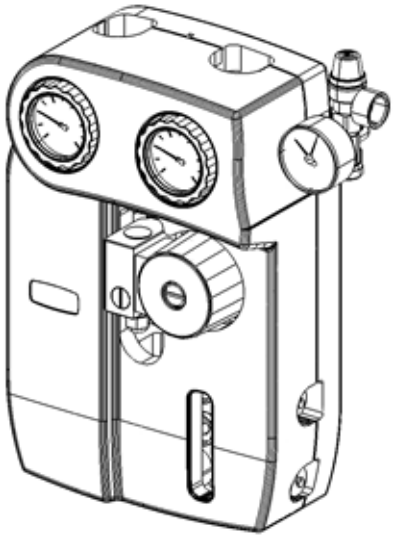


Blocking the filling/drain levers:
Unscrew the fixing screw, take out the lever and place it again turning it of 180°.

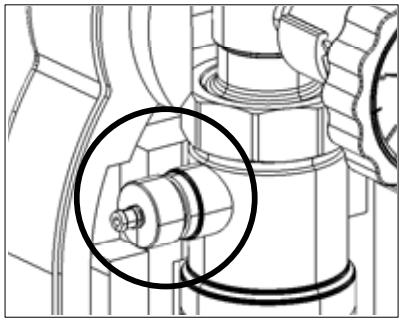


(3) - Flow rate shown:
The flow rate is shown taking as reference the lower edge of the sliding cursor. (see picture)

Pumping station 2-way “Solar 3”

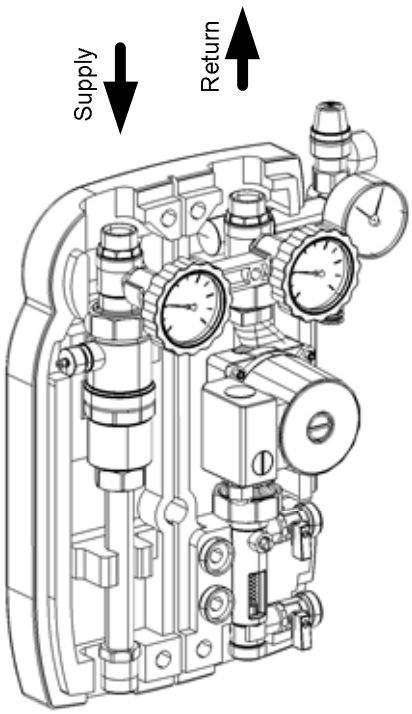


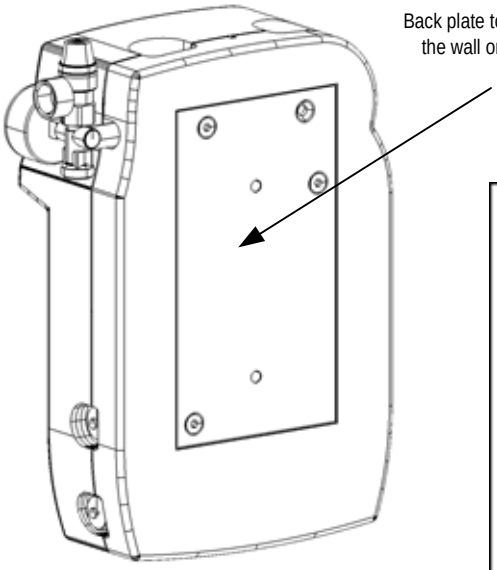
Epp insulation box
Measurements 277x425x150.
Side opening on the back part of the insulation box for the security unit. Inside daps for the housing of the 22 mm pipe. A special window allows to read the flow without taking off the cover. Back plate to fasten the unit to the wall or to the cylinder.

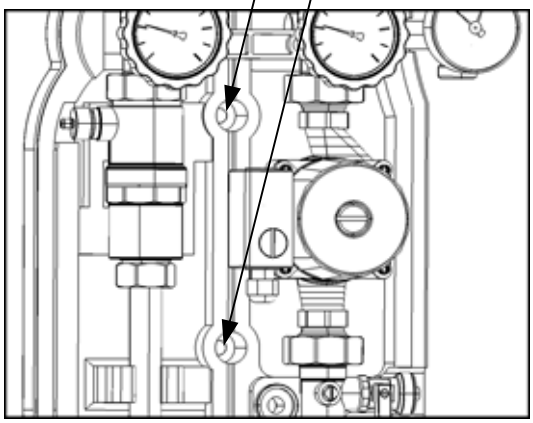
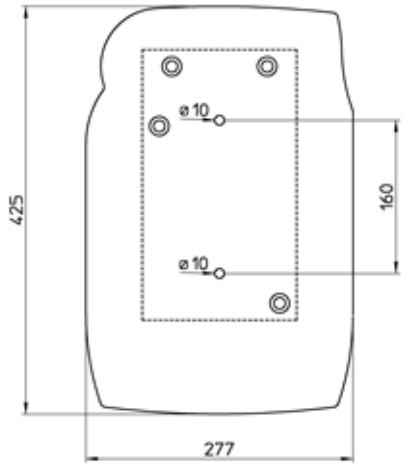


Model with the vent air
The vent air is a device that devides continually the air that can be in circulation together with the fluid.
The air goes to the upper part of the vent air and it can be eliminated through the special drain while the installation is working. Unscrew of half a turn the knurled metal ring lock.
This operation has to be done at intervals.

DANGER OF BURNS
To avoid any leakage of the fluid, taking into cosideration the very high working temperature, we recommend to fasten a pipe to the end of the drain.





Back plate to fasten the unit to the wall or to the cylinder.

Fastening holes on the back fixing plate. Special openings on the insulation box allow the fastening without disassembling the unit.