

Auto filling valve AF0520/AF0522

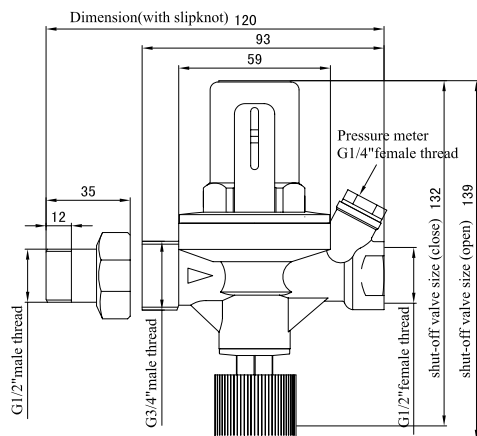


Pre-setting/Pre-adjusting/Visual auto filling valve

Overview

- The automatic filling unit is a device consisting of pressure reducing valve, stainless steel filter, shut-off valve and a check valve.
- With visual design, installed on the water inlet piping in sealed heating systems, and its main function is to maintain the pressure of the system stable at a set value, automatically filling up with water as required.
- This product has the characteristic of being pre-adjusting, which means that it can be adjusted at the required pressure value before the system charging phase. After installation, during the filling or topping-off phase, the water feed will stop when the set pressure is reached.
- Built-in shut-off valve and check valve.
- Large diaphragm-seat seal working surface, bigger 40% more than general product, guarantees greater precision and sensitivity to maintain its operating characteristics unchanged overtime.

Dimensional drawing

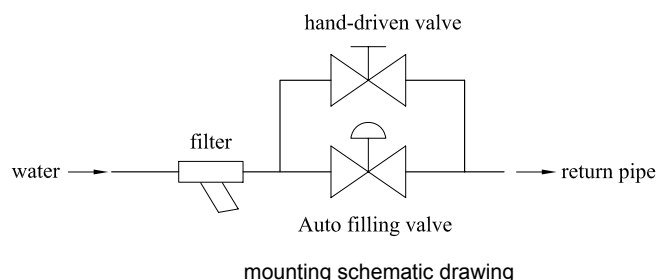


Mounting instruction

1. Filling unit can be installed in either horizontal or vertical position. It is, however, vital that the unit is not installed upside down. Direction arrow is inlet.
2. AF0520 unit, 0.2 bar pressure will be added by screwing the knob on the top one circle in clockwise direction, conversely, the pressure reduced. AF0522 unit, no need to install pressure meter, just adjust the pressure at a set value before filling.
3. Auto filling unit, the outlet pressure should over 0.3bar than the static pressure, and the setting pressure should less than the filling pressure or it can not work normally. It is normally installed at water backflow part.
4. Automatically filling, until it reaches the required valve.
5. When filling water, the shut-off valve can be closed by hand.
6. The valve disk can be cleaned or changed.

Technical parameters

- △Max. pressure inlet: 10bar
- △Pressure adjustment ranges: 0.3 ~ 4bar
- △Pre-pressure: 1.5bar
- △Max. temperature: 80°C
- △Connection: G 3/4" male thread inlet and can match with other slipknot for G 1/2" male thread, G 1/2" female thread outlet. Other threaded coupling for custom-made pressure meter connection: G 1/4"
- △Body material: H59 brass
- △Seal material: NBR rubber



In above drawing, use hand-driven valve to reduce the time of the first filling. After filling finished, closed the hand-driven valve, that is, screw the plastic unit towards the outside to open.