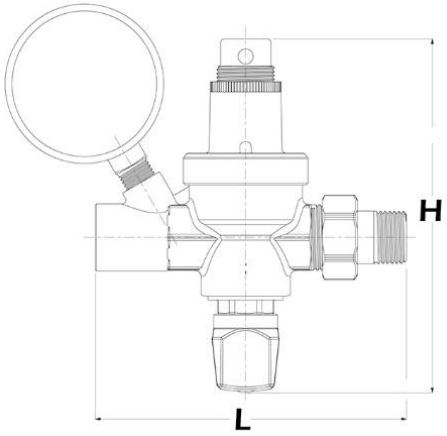

***DESCRIPTION***

# *PE111.R*

The automatic filling unit PE111R is used in water supply pipe work for heating systems. Consisting of a pressure reducing valve with shut off valve and check valve, it maintains a stable pressure in the whole heating system, and when needed, automatically feeds water into the system.
Built-in filter, stop cock and check valve
DN15 – ½"F x ½"M UNION.

Pressure gauge not included**.**

**DIMENSIONS**




| | H | L | Weight(g) |
|---|---|---|---|
| **PE111.R** | 140 | 122 | 770 |

Dimensions in **mm -** All threads are conform to ISO 228

Pressure Gauge Connectionm1/4"

**MATERIALS AND FEATURES**

| | |
|---|---|
| ***Body*** | Brass CW617N - UNI EN 12165 |
| ***O-ring*** | NBR |
| ***Spring*** | Stainless steel |
| Diaphragm | Brass |
| ***Fluids*** | water |
| ***Maximum working temperature*** | 80°C |
| ***Outlet Pressure range(adjustable)*** | 0,5 – 4 bar |
| ***Factory setting*** | 1,5 bar |
| ***Max inlet pressure*** | 16 bar - PN16 |
| ***Heating systems with maximum inlet pressure of:*** | 10 bar |

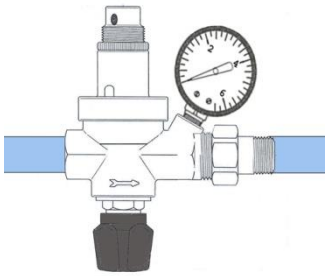
**INSTALLATION AND USE**

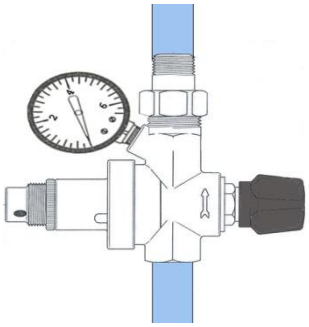
The automatic filling unit PE111R is used in water supply pipe work for heating systems. Consisting of a pressure reducing valve with shut off valve and check valve, it maintains a stable pressure in the whole heating system, and when needed, automatically feeds water into the system.

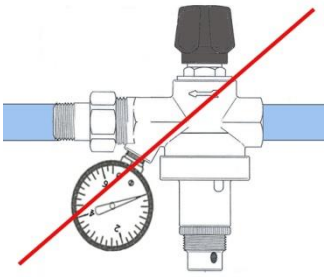
For better and optimal operation of the heating system, the outlet pressure should never exceed 2 bar (30 psi).

Once the setting pressure into the heating system is reached, the filling unit automatically shuts off. The feed can be stopped manually by Operating the shut off valve by turning black plastic handle counter-clockwise.

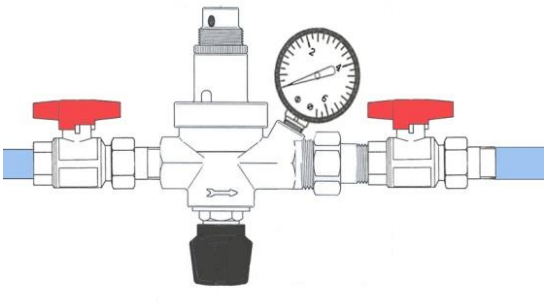
STE0532 rev.00 18/06/2024







The automatic filling units PE111.R don't get the effect – for their functioning – of the gravity force, even if it can be installed in the plant in any position, is recommended do not install it up-side down



For quick installation and fast service, if requires, we recommend to install isolating valves upstream and downstream the valve.

All the PE111.R filling units are tested before being packaged; during the proof they are pre-set at the outlet pressure of 1.5 bars; the outlet pressure can be easily modified when the valve is installed on the plant.

We recommend using the filling valve with an outlet pressure lower than 2 bar for a better operation of the heating system.
In order to adjust the outlet pressure, loosen the black plastic fixing ring and turn the spring holder as indicated in the pictures sequence. By turning clockwise, the outlet pressure increases, while counterclockwise the pressure decreases. The correct setting should be made while the plant outlet is closed.

**WARNING**: Installation or any change of outlet pressure must be performed by qualified personnel.

STE0532 rev.00 18/06/2024