

AUTOMATIC FILLING UNIT (CODE: 714) WITH PRE ADJUSTMENT OPTION SCALE UP TO 5,5 BAR HEAVY DUTY CONNECTION 1/2" & 3/4"

Thank you for choosing another Brass Form Product

The Automatic Filling Unit is recommended for a closed-circuit heating system. It is placed in the water main via a valve ensuring a filling the water upon reaching a preset pressure

The design of the pressure valve is according to the EN 13959 standard

SETTINGS

The Automatic Filling Unit is pre-set at 1.5 bars. It utilizes the option to set the desired pressure value, before installing it on the system. To achieve the desired pressure value, turn the adjustment knob in a clockwise direction, to increase, or anti-clockwise direction to reduce the pressure setting

Pre-adjustment Settings:

Turn the adjustment knob in a clockwise direction until you reach the desired value. The value must be centered [Image \(1\)](#).

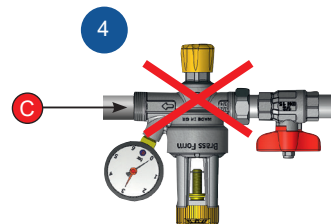
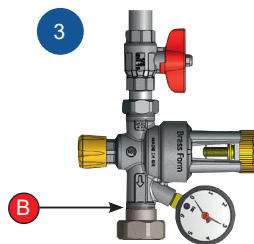
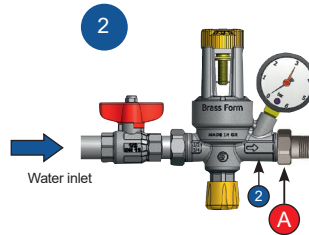
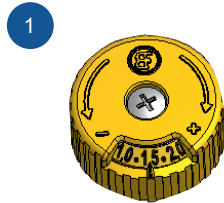
After that the Automatic Filling Unit will ensure prompt automatic make up of water losses from the heating system.

INSTALLATION

- The Automatic Filling Unit should be placed in such manner so that the flow arrow is always in accordance with the water flow in the system [Image \(2\)](#).
- It can be installed in horizontal or vertical positions [Image \(2\) & \(3\)](#).
- but never in a upside down position [Image \(4\)](#).
- The Automatic Filling unit is available with Male 3/4" and Female 1/2" (ISO 228). Additionally combine the 1/2 tail-end fitting and G3/4 nut to achieve a Female 3/4" swivel nut, offering numerus options for installation, delivering connections at variable length size, making the refurbish of old installation an easy job. It is also a plus for new installations where connections [length sizes points : \(A\) \(B\) \(C\)](#)
- Place the pressure gauge in a position where you can see the readings
- Scale the desired pressure that is shown in the pressure Gauge.
- The filling of water into the circuit must be gradual to ensure that the air in the system is smoothly removed
- After the filling of the circuit to protect the plant is necessary to close the Cold water inlet valve.

CONTROL CHECK - In case there is a deviation

- Existence fo Air in the circuit ?
- Low inlet pressure ?
- Filling with bigger connections ?
- Residuals in the circuit ?
- Linkage in the system ?



SPECIAL FEATURES

- ✓ Scaled Pre-set pressure valve from 0,0 to 5.5 Bar
- ✓ Maximum Inlet Pressure : 16 Bar
- ✓ Capable of filling the system on maximum flow
- ✓ Operational Sensitivity +/- 0.15 bar
- ✓ Operational Temperature : 5°C to 80°C
- ✓ Stainless steel mesh 0,3mm
- ✓ Anti - corrosion ring - deposit resistant
- ✓ Brass Non-return valve including Teflon arrangement.
- ✓ Selective G 1/2" and G 3/4" thread connections.

TECHNICAL CHARACTERISTICS

- Preset handle with Indicator**
Acetal (POM) , heavy duty polymer material
- Adjustment Mechanism Cap:**
Forged brass (CW617N)
- Pressure adjustment mechanism:**
Brass (CW614N)
- Galvanized spring:**
According to DIN17223, Class-D
- Brass male threaded cap G1/4" in position of pressure gauge**
- O-ring (EPDM):** NBR sh70
- Operation diaphragm seat, acetal POM:**
Heavy duty polymer material
- Brass made terminals G1/2" and G3/4" according to ISO228**
- Automatic Pressure Body:**
Forged brass (CW617N)
- Hot Forged Brass made terminal:**
Brass (CW614N)
- Stainless steel filter:**
Stainless Steel, 0.2mm mesh
- Brass made terminals G1/2" and G3/4" according to ISO228**
- O-ring (EPDM):** NBR sh70
- Operation diaphragm:**
NBR70ShA double layer mesh

-All Valves are produced from CW617N hot forged alloys, always according to International Standard EN 12165:1998 First Stage Nickel and Second Stage Chrome Coated

MAINTENANCE INSTRUCTIONS

The Filter should be cleaned periodically (Before starting the boiler and burner in the winter and specially after the first filling of the circuit)

To achieve a smooth operation of the Filling Valve, a Pressure Stabilizer and a Master Filter should be installed prior to the connection point of the unit. This would prevent debris and high water pressure fluctuations reaching the Filling Valve unit

- Inlet shut off valve should be closed before starting the maintenance of the Filling Valve, the non return valve will not allow water to flow backwards
- Clean and place the filter to the original position. Re-fill the system until the system reaches the desired pressure value.

