

QUALITY

INNOVATION

RELIABILITY

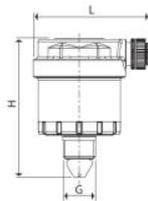


Description

R8818 automatic air vent valves can discharge the air that formed into the hydraulic circuits of the heating/cooling or sanitary systems. This avoids the onset of negative phenomenon, that could compromise the lifetime and the efficiency of the thermal system. The automatic air vent valves are performing either during the initial phases of the system load where the air quantity to be discharged is high, or during the operation where the discharge shall not happen continuously but intermittently, with modest air amounts to be discharged in a progressive way.

Technical data

- Temperature range: 5÷120°C
- Maximum working pressure: 14 bar
- Maximum pressure of air vent operation: 7 bar
- Use fluids: water and glycol solutions (maximum 50%)



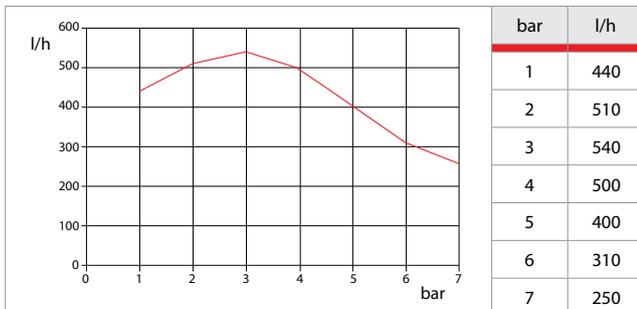
G	L [mm]	H [mm]
1/8"	47	56

Materials

- Body: UNI EN 12165 CW617N brass
- O-ring: EPDM
- Shutter spring: inox
- Internal float: PP-H

Performance

The table and the graph report the air capacities in discharge, in standard conditions at the change of the relative pressure of the system.

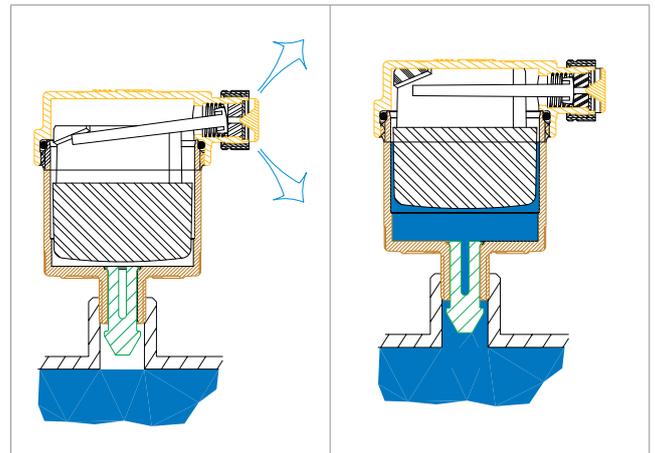


Operation

The operation of the automatic air vent valve is very simple and it is based on the principle of the floating of bodies immersed in a fluid. When there is no air accumulation into the valve body, the float is in raised position and through the mechanism, it keeps the obturator under closing.

The lowering of the floating level caused by the air accumulation into the valve body, involves the obturator opening and the consequent discharge that persists up to the reintroduction of the initial conditions. At the system load, as there is no water into the valve body, the float is completely down permitting to the air to flow quickly.

The air discharge is prevented by screwing the lateral plug. In normal operation conditions, the plug shall be unscrewed.



Information in this documents are founded on the most recent data available at the moment of its publication and is meant for a general presentation of our products. The accuracy of this information cannot be guaranteed. Our products are steadily enhanced and their technical specifications can be modified without prior notice.



Warning.
The automatic air vent valves must be installed vertically, with the plug facing upwards. The installation is advisable in places that can be easily inspected.



Warning.
Close the cap of the air vent valve when rinsing out and filling the system, to prevent impurities from entering the mechanisms of the valve and damaging it.

Calefactio Solutions Inc.
Quebec (Canada)

T 450 951.0818
F 450 951.2165

calefactio.com
info@calefactio.com