FIVC *Automatic Air Vent*

Brass - PN 7 - ISO 228

FAV series

Technical data

Field of applications

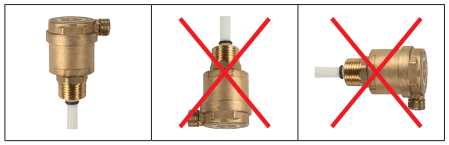
- Temperature range: +5 to 120°C
- Maximum working pressure: 14 bar
- Maximum pressure of air vent operation: 7 bar
- Use fluids: water and glycol solutions (maximum 50%)

Description

FIVC 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 FIVC 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.

Installation

FIVC Automatic air vent valves are usually installed on each type of manifolds, at “high points” of the pipes where an air pocket could form, on wall heating boilers or ground-floor boilers, near unit heaters or heat exchangers.



Caution

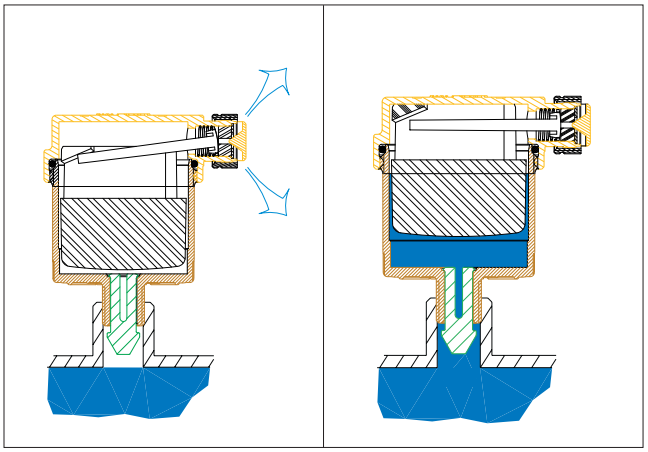
The FIVC Automatic air vent valves must be installed vertically, with the plug facing upwards. The installation is advisable in places that can be easily inspected.

Features and materials

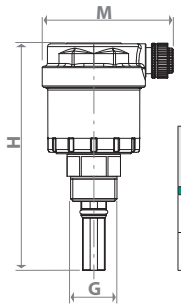
FIVC Automatic air vent valves are designed to have a discharge capacity by keeping modest overall dimensions, that makes it usable also in reduced space applications. The components of the discharge mechanism are made by using performing and reliable materials, with particular attention to the maintenance of the mechanical features in time. The O-rings are made of EPDM. The internal spring of the obturator is made of stainless steel. The internal float is in PP-H.

Operation

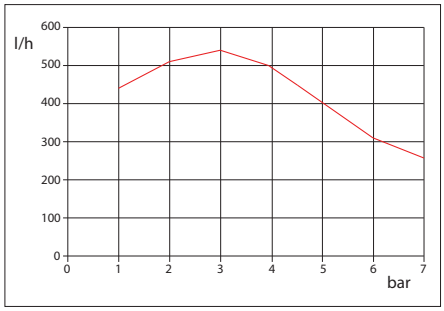
The operation of the FIVC Automatic air vent valve is very simple and it is based on the principle of the floating of bodies immersed in a fluid. When there is no air accumulation into the valve body, the float is in raised position and through the mechanism, it keeps the obturator under closing. The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



Dimensions



Product code	G	L [mm]	H [mm]
FAV038B7	3/8”	47	81
FAV015B7	1/2”	47	81



bar	l/h
1	440
2	510
3	540
4	500
5	400
6	310
7	250