MEGALUFT AND MEGALUFT HP

Automatic high capacity air vent valves

Megaluft are high performance, float-operated automatic air vent valves with high discharge capacity.
They are designed to remove any air and gas contained in the heating or cooling system.
They are ideal for application on vertical or horizontal columns, on manifolds or boilers, and can be installed in every zone of the system where bubbles may develop.

Megaluft and Megaluft HP are intended to remove air both during loading and emptying, without the need for manual intervention. Thanks to their high discharge capacity, they help keep all points of the system where they are installed air free. With their high functional guarantee, these automatic air vent valves must be considered a system safety device.

MEGALUFT

MEGALUFT HP

- Ensures system efficiency
- High discharge capacity
- High performance
- Automatic air venting

1 Closure cap

2 Spring

3 Gas ejection device
Located far away from the water free surface, outside of the valve, it prevents residual impurities present in the system liquid from impairing the ejection device tightness. The ejection of gases (such as oxygen, hydrogen, carbon dioxide) prevents the latter, if retained, from forming corrosive acid solutions or activating galvanic drilling processes in the presence of stray currents. The gas ejection device can be closed by completely screwing the cap.

4 Air accumulation pressostatic chamber
The pressostatic chamber is wide and it is designed to prevent contact between the impurities present on the fluid free surface and the sealing device, especially when the circulation pump is started.

5 Float
Technopolymer float, fitted inside the body in such a way that its functionality cannot be influenced by external movements, including rotation and vibration.

Structure completely made of brass

OPERATING PRINCIPLE

The accumulation of air bubbles in the upper part of the valve body (air accumulation pressostatic chamber) causes the float descent and, consequently, the gas ejection device opening. For the valve to properly operate, make sure that the water pressure remains lower than the maximum discharge pressure value. **(5 bar for the model Megaluft - 10 bar for the model Megaluft HP).**

Valve position **CLOSED**

Valve position **OPEN**