**H2O LAB**
water treatment

# MINILUFT HP

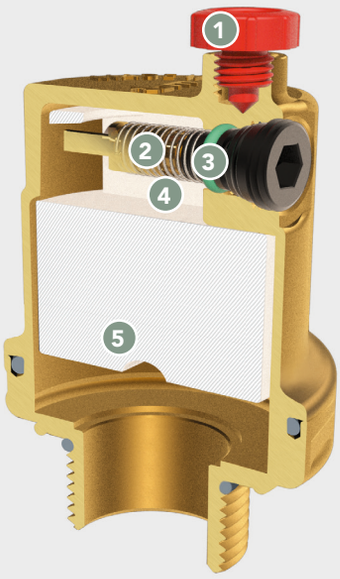
## High performance compact automatic air venting valve

MAXIMUM DISCHARGE PRESSURE 8 bar

**RBM Miniluft HP** valves are automatic, float-operated air vent valves designed to remove air and gases from heating or cooling systems. 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.

Featuring a small size and high performance (they have a wider pressostatic chamber compared to Miniluft valves), they are very effective in removing air both during filling and emptying, helping you keep the areas on the system where they are installed free from air. With their high functional guarantee, these automatic air vent valves must be considered a system safety device.

- Ensures system efficiency
- Limited overall dimensions
- High performance
- Automatic air venting



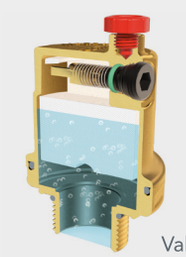

1. **Closure cap**
2. **Spring**
3. **Gas ejection device**
   The ejection of gases (such as oxygen, hydrogen, carbon dioxide) prevents the latter, if retained, from forming corrosive acid solutions or activating galvanic drilling processes in the presence of stray currents. The gas ejection device can be closed by completely screwing the cap.
4. **Air accumulation pressostatic chamber**
   The pressostatic chamber is 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**

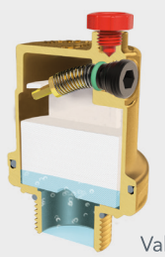
## OPERATING PRINCIPLE

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.



Valve position **CLOSED**



Valve position **OPEN**