MINILUFT
COMPACT & MINILUFT

Automatic compact air vent valves

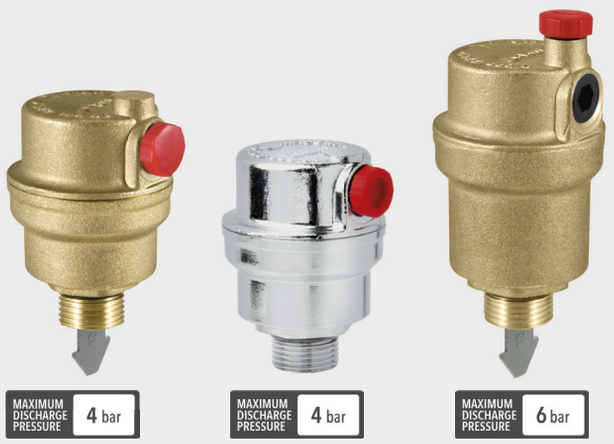
RBM Miniluft valves are automatic, float-operated air vent valves designed to remove air and gases from heating or cooling systems.

Their small size makes them ideal for applications on manifolds or distribution kits housed in containment boxes.

Despite their small size, they are very effective in removing air during both loading and emptying, helping keep the various areas of the system where they are installed free of air.

With their high functional guarantee, these automatic air vent valves must be considered a system safety device.

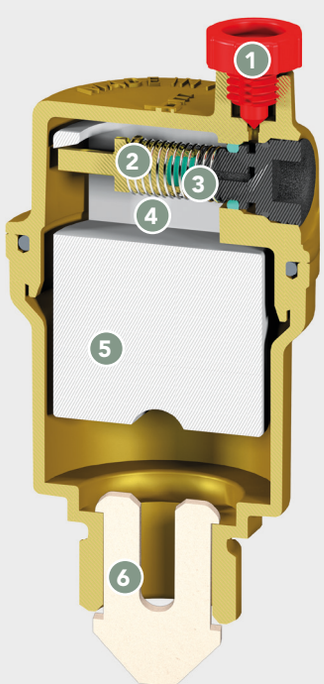
- Ensures system efficiency
- Limited overall dimensions
- Automatic air venting



MINILUFT COMPACT
Lateral discharge

MINILUFT COMPACT CHROME
Lateral discharge

MINILUFT
Vertical discharge



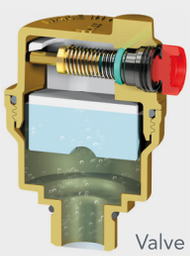
1. **Closure cap**
2. **Spring**
3. **Gas ejection device**
   The ejection of gases (such as oxygen, hydrogen, carbon dioxide) prevents the latter, if retained, from forming corrosive acid solutions or activating galvanic drilling processes in the presence of stray currents. The gas ejection device 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.
6. **Air pocket breaker**
   (only available in size 3/8")
   Prevents the formation of air pockets in the system that could block the drain flow. If combined with Series 38 check valve, remove the air pocket breaker from the valve.

Structure completely made of brass.

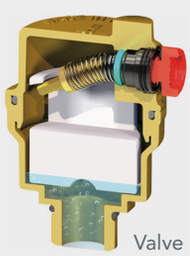
OPERATING PRINCIPLE

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 **(4 bar for the model Miniluft Compact - 6 bar for the model Miniluft).**



Valve position **CLOSED**



Valve position **OPEN**