ROBOCAL
Automatic air vents
5024 - 5025 - 5026 - 5027 series

Function
These automatic air vents eliminate residual air in heating and air conditioning systems without the need for manual intervention. This prevents undesired noise, wear of devices in the circuits and inefficient performance of heating units.

Product range
Series 5024 Automatic air vent with horizontal discharge
Sizes 1/4” and 3/8” M
Series 5025 Automatic air vent with horizontal discharge and automatic shut-off cock
Size 3/8” M
Series 5026 Automatic air vent with vertical discharge
Sizes 3/8” and 1/2” M
Series 5027 Automatic air vent with vertical discharge and automatic shut-off cock
Size 3/8” M

Technical specification
Materials:
Body and cover: brass EN 12165 CW617N
Float: PP
Obturator: silicone rubber
Spring: stainless steel EN 10270-3/1.4310 NS (AISI 302)
Seals: EPDM
Seals on shut-off cock: PTFE

Performance:
Medium: water, glycol solutions
Max. percentage of glycol: 30%
Max. working pressure: 10 bar
Max. discharge pressure:
5024, 5025: 4 bar
5026, 5027: 6 bar
Max. working temperature:
5024, 5026: 115°C
5025, 5027: 110°C

Dimensions

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<thead>
<tr>
<th>Code</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
<th>Code</th>
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**Constructional details**

**Float with anti rotation and anti vibration system**
The float is fitted so that when it is in rest position the obturator is not affected by any external movement.

**“Dry” obturator**
The positioning of the float and the internal parts is such that the water never reaches the obturator itself. This prevents faults caused by the infiltration of impurities present in the fluid.

**Version with shut-off cock**
The automatic shut-off cock makes maintenance and inspection of the air vent easier by shutting off the flow of water when the valve has been removed. O-Rings in EPDM ensure a good seal with the valve body.

**Fluid dynamic characteristics**

**Air flow (when filling the system)**

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<th>5026/5027</th>
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**Installation**
- Air is vented from the system by turning the plug on the air outlet anticlockwise by one complete turn from the fully closed position. Air is automatically vented if the cap is kept in this position.
- It is recommended that the air vents are not fitted in places difficult to inspect and at risk of freezing.

**Accessories**
- Shut-off valves 561 series are available for the 3/8” and 1/2” sizes.
- The anti-vacuum valve code 562200, is available for all air vents in the ROBOCAL series.

**SPECIFICATION SUMMARIES**

### 5024 series

### 5025 series

### 5026 series

### 5027 series

We reserve the right to make changes and improvements to the products and related data in this publication, at any time and without prior notice.