AUTOMATIC AIR VENT VALVES FOR HIGH PRESSURES

Art. 2065

Straight automatic air vent valve for high pressures.

- Body made of CB753S brass
- 1/2" F connection
- Swivelling air vent valve
- Nominal pressure: 10 bar
- Max. discharge pressure: 10 bar
- Max. working temperature: 110°C

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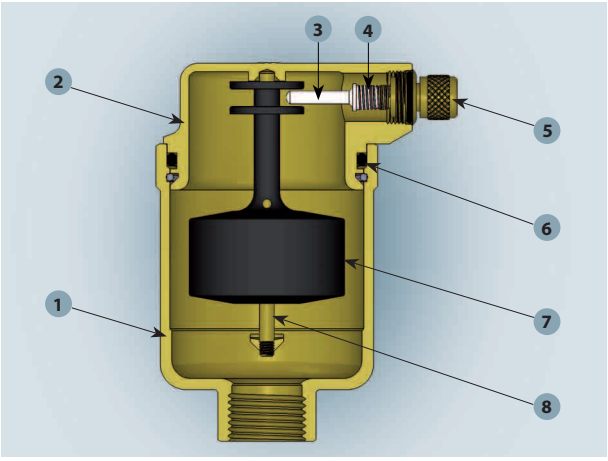
1. DESCRIPTION

The automatic air vent valve is used in heating systems to remove air from the circuit, thus guaranteeing improved heat exchange even in systems with a working pressure up to 10 bar. It will also prevent noise caused by bad thermal fluid circulation.

2. CONSTRUCTION MATERIALS



1. Air vent valve body	CB753S brass
2. Air vent valve cover	CW617N brass
3. Stem	Nylon®
4. Spring	AISI302
5. Cap	CW614N brass
6. Sealing O-Ring	EPDM
7. Float	Polypropylene
8. Guide stem	CW614N brass

3. OPERATION

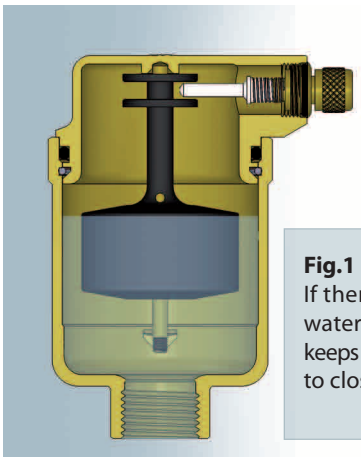


Fig.1
If there is no air in the circuit, water inside the air vent valve keeps the float in such a position to close the shutter.

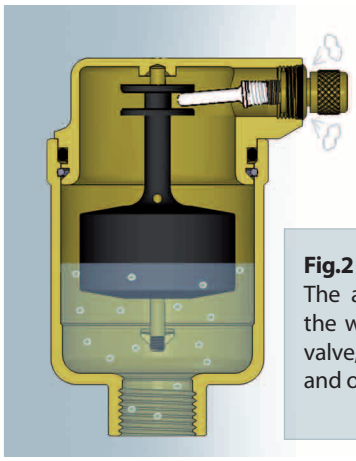
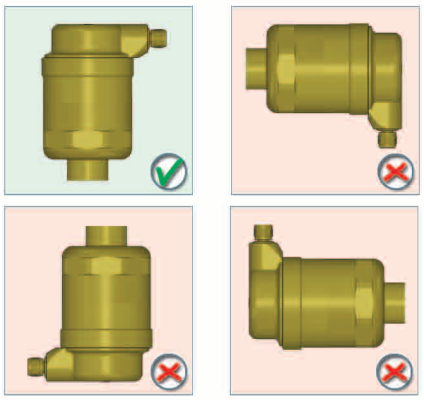


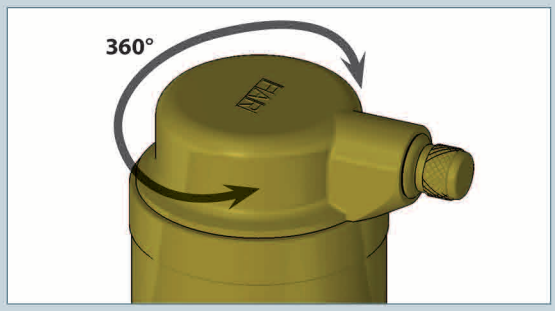
Fig.2
The air in the circuit reduces the water level in the air vent valve, thus lowering the float and opening the air discharge.

4. INSTALLATION

For proper operation the air vent valve should always be installed in a vertical position. Normally the cap has to be slightly loose to allow air to escape from the valve through a notch on the thread. The brass cap is provided with a sealing gasket so it can be closed when necessary.



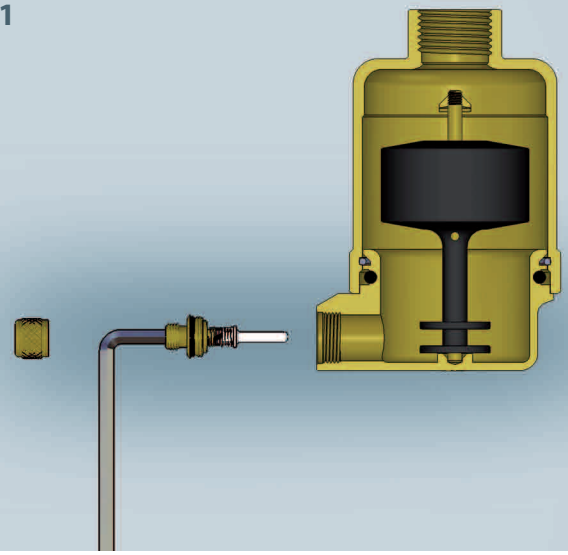
It is possible to rotate the air vent valve through 360°C to position the discharge appropriately without needing to shut down the system.



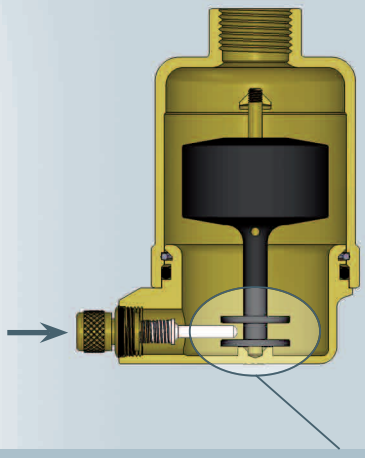
5. MAINTENANCE

In the event of leakage from the air vent valve it is necessary to clean or replace it as follows:
- using a 4mm Allen wrench unscrew the air vent valve. Then proceed with cleaning or replacement (picture 1)
- For correct insertion of the stem on the float, screw with the upper body upside down and the air vent valve horizontal (picture 2)

1



2



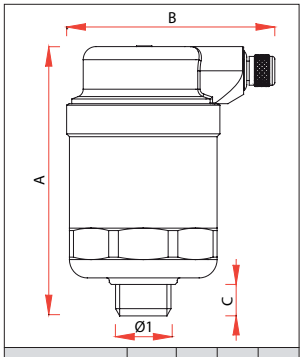
⚠ For correct insertion of the stem on the float, we recommend that the valve body is positioned upside down

6. TECHNICAL AND DIMENSIONAL FEATURES

Technical Features

Nominal pressure:	10 bar
Max. discharge pressure:	10 bar
Max. working temperature:	110°C
Compatible media:	Water

Dimensional Features



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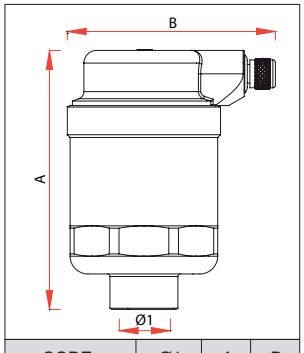

CODE	Ø1	A	B
2065 12	G1/2	103	82