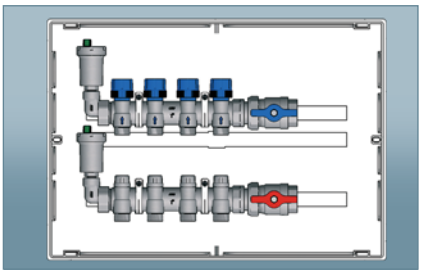
STRAIGHT AND ANGLED AUTOMATIC AIR VENT VALVE, SIZES 1/4"- 3/8"- 1/2"- 3/4"

2. DESCRIPTION

Just like our valve Art. 2040, the straight and angled air vent valves – Arts. 2045, 2050, 2055 and 2060 - are designed to be installed in heating systems in order to automatically remove air from the circuit, thus ensuring a better thermal exchange. The air vent valve must always be installed in a vertical position in order to ensure correct operation.
Moreover, the plug should not to be closed completely tight, but left slightly loose in order to allow the discharge of air via an incision on the male thread. The plastic plug is provided with a sealing seat and can be closed if necessary. If debris in the system interferes with the normal working of the valve, it is possible to unscrew and remove the cover and the float. On the stem holding the float is a rubber disk, which operates as a shutter when the float lifts the stem. It is essential to check for the presence of any debris which may prevent the shutter reaching the end of its stroke.
Units are available in brass and chrome-plated versions.

Below you can see an example of the application of straight air vent valves on thermoelectric manifolds in housings. The same result can be achieved even with an angled valve, using a straight terminal fitting.



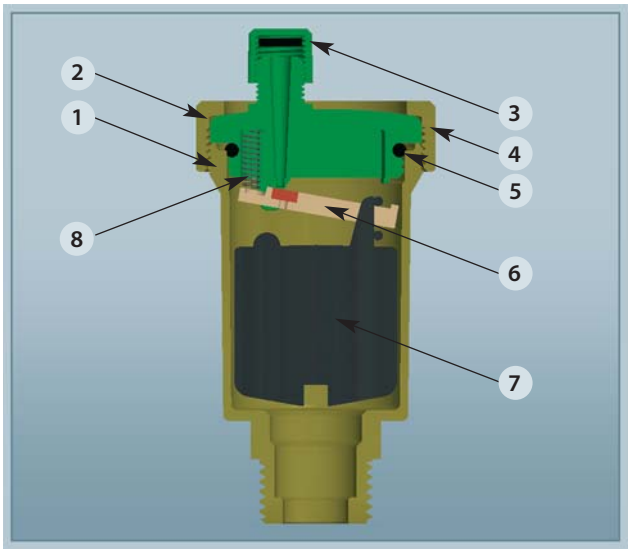
2.1 NON-RETURN VALVE

The installation of a non-return valve near the automatic air vent valve makes it possible to repair or replace the device without the need to close off water supply to the system.

Art. 2075

Art. 2080

2.2 CONSTRUCTION MATERIALS AND TECHNICAL FEATURES

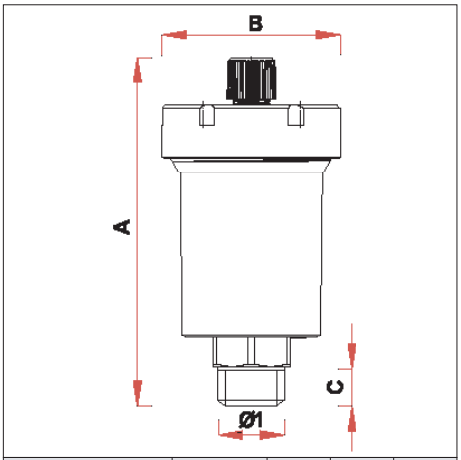


1 – Air vent valve body: CB753S brass
2 – Cover ring: CW617N brass
3 – Plug: POM resin
4 – Cover: POM resin
5 – Sealing O-ring: EPDM
6 – Lever: Hostaform®
7 – Float: Polypropylene
8 – Spring: AISI302 steel

Technical features

Nominal pressure:	10 bar
Max. flow temperature:	110°C
Max. differential pressure:	4 bar
Compatible media:	acqua

4. DIMENSIONAL FEATURES



CODE	Ø1	A	B	C
2045-2050 14	G1/4	86	44	9
2045-2050 38	G3/8	87	44	10
2045-2050 12	G1/2	89	44	12
2045-2050 34	G3/4	91	44	12