

AUTOMATIC AIR VENT

R88

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▸ Application

In all heating systems using water, during operation, there are gases made of air, hydrogen which must be drained, otherwise they create malfunctioning of the system. The worse consequences are noise of system and water circulating problems which imbalances in the heating of the rooms, corrosion, and premature aging of the pipes components. In order to overcome those problems, Giacomini developed a suitable automatic vent.



▸ Features

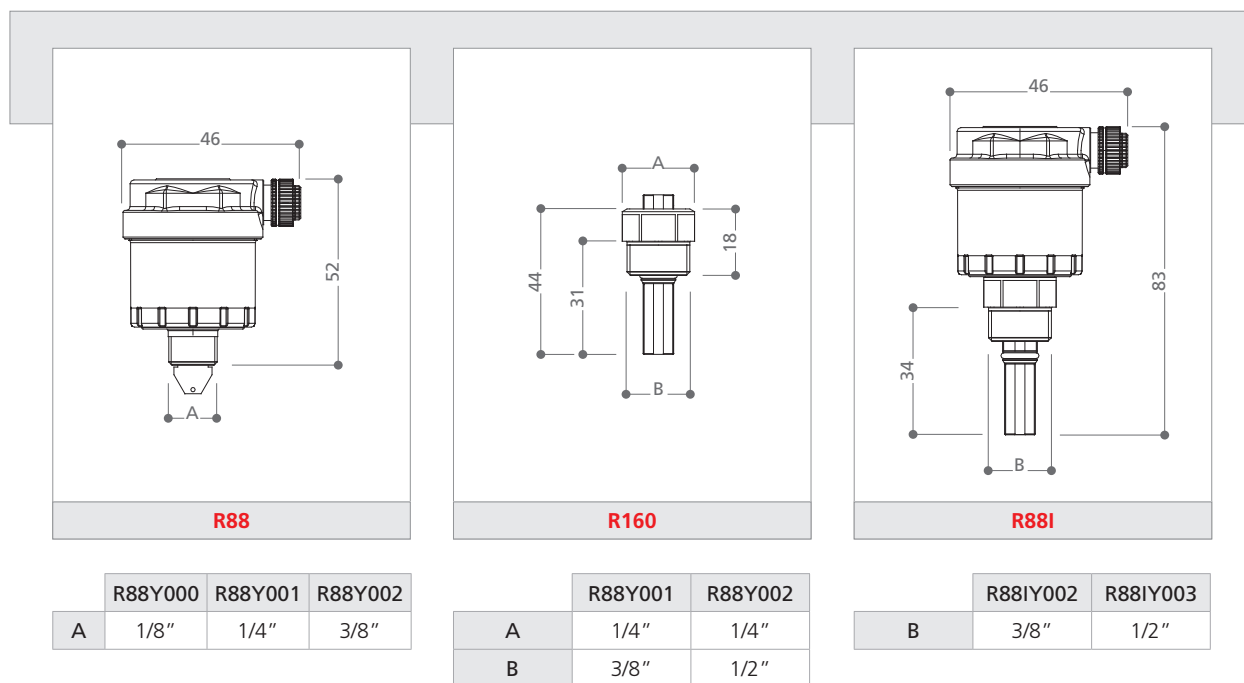
R88 valve has a high capacity to vent even though it has small overall dimensions, which enables the valve to be used in confined spaces. Its venting mechanism is reliable, each valve, before being sold passes three tests two for venting and one for pressure.

▸ Technical data

- Maximum working pressure **0,7 MPa (7 bar)**
- Maximum testing* pressure **1,4 MPa (14 bar)**
- Maximum testing* temperature **120°C**
- Suitable for sanitary distribution, heating and cooling systems, with water and glycol solutions

* Regarding testing conditions, only the physical integrity of the component is guaranteed.

► Dimensions



► Installation

The valve is normally installed on any kind of manifolds, in high points of a system, where air gaps can be found, on boilers or close to heating meters. It is possible to equip the automatic air vent shut off valve model R160 in sizes of 1/4" x 3/8" and 1/4" x 1/2". This enables the valve to be disassembled for maintenance without draining the system. Such combination can be ordered directly using the reference R88/1 and the size 3/8" or 1/2".

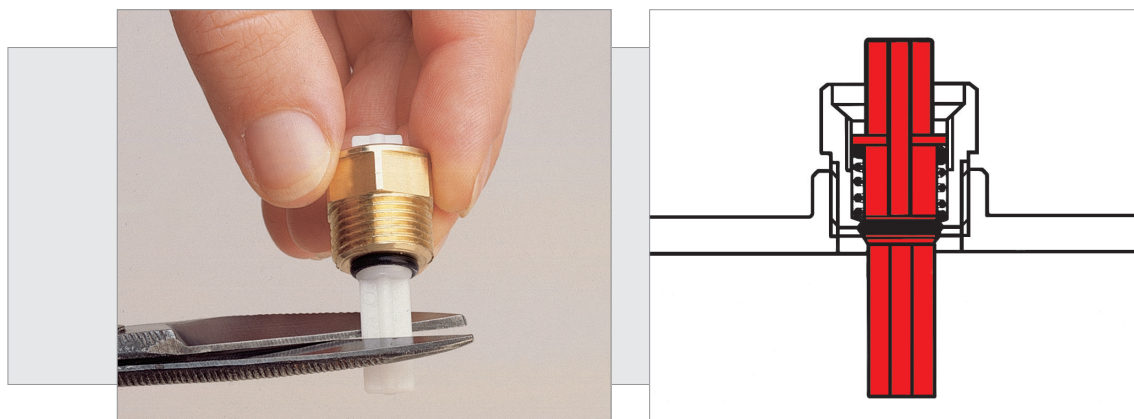


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► Installation with shut off valve R160

To equip the R88 with shut off valve, tighten the R160 on the system, making sure the plastic tail does not interfere with the seat into which is located.

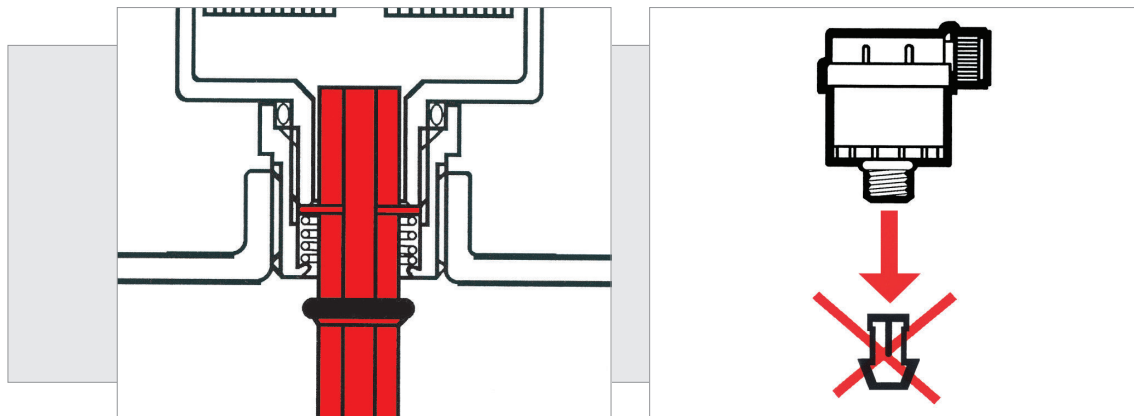
The plastic tail can be shortened if necessary by cutting with a pair of scissor to the correct lenght, as shown in the picture.



► Assembly instruction

Before connecting the R88 to the shut off valve R160, remove the plastic tail of the R88 and proceed to assemble.

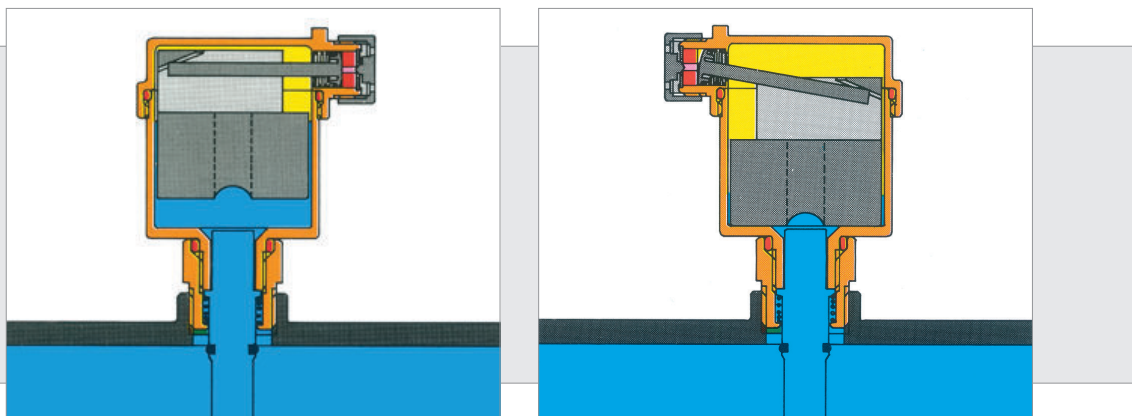
In the picture you see assembly of the R88 with the R160, corresponding to model R88/1.



► Functioning

Assembling the valve, the shut off device opens. When there is no air inside, the float raises closing the valve.

When the air is inside the valve, the float sinks opening the valve, and allowing the valve to vent.



► Product specifications

Automatic compact air vent valve, brass finish, with male threaded connection and interception valve (optional). Body and cover made of pressed brass UNI EN 12165 CW617N, PP float, STAINLESS steel spring, NBR hydraulic seal and plastic stamped components.

Suitable for sanitary distribution, heating and cooling systems, with water and glycol solutions.

Maximum working pressure **0,7 MPa (7 bar)**

Maximum testing pressure **1,4 MPa (14 bar)**

Maximum testing temperature **120°C**



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GIACOMINI SPA
Via per Alzo,39
28017 San Maurizio d'Opaglio (NO) ITALY
tel. 0322 923111 - fax 0322 96256
e-mail: info@giacomini.com
internet: www.giacomini.com