



HY-VENT[®] AUTOMATIC AIR VENT

Instruction
Sheet

SPECIFICATIONS

- Structural Pressure 261 psi (18 bar)
- Working Pressure 159.5 psi (11 bar)
- Temperature Rating max. 230°F (110°C) water (no steam)
- Chrome Plated Brass Body and Cap

APPLICATION

The Hy-Vent[®] Automatic Air Vent purges air from liquid-filled systems. It is designed for use on closed hydronic systems. It is not used on systems contaminated with oil or petroleum based additives or on steam. The maximum temperature is 230°F (110°C), the maximum structural pressure is 261 psi (18 bar).

INSTALLATION

The air vent is installed at locations where air will accumulate. This is usually the highest point in the system. Before installing the vent, the system must be thoroughly cleaned. Otherwise, scale and debris might accumulate in the seat/disc area of the float assembly, potentially causing the vent to malfunction.

Always use a stop valve (isolating valve) beneath the air vent. This allows for the removal and servicing of the air vent without the need to drain the hydronic system. Moreover, we recommend installing the air vent on the supply line of the heating system. The pipe where the vent is installed should be extended. For proper operation, the vent must be mounted vertically. Screw the vent into the stop valve by hand. Since the stop valve comes with an integrated “O” ring, no additional sealants are needed.

Do not remove the vent cap on top of the air vent, as this may allow dirt particles to enter the valve and cause malfunction. For proper automatic operation, open the vent cap two full turns counterclockwise from the fully closed position.

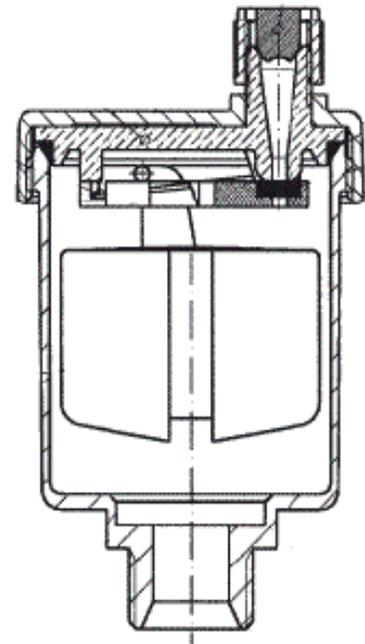
MAINTENANCE

The air vent should be serviced regularly, depending on the condition and quality of the liquid in the system. For ease of maintenance, it is beneficial to install the vent in an accessible location. If dirt and scale cause the vent to leak, it can be replaced without draining the system, provided the stop valve is in place. In this case, a small amount of water may escape between the vent and stop valve during replacement.

OPERATION

The air vent features a removable float assembly which opens and closes the vent hole in the cap. If there is any air in the system, the air accumulates at the highest point where the air vent is installed. The level of the water reduces and pulls the lever of the float down. This opens the vent hole and allows air to pass up through the vent cap.

As the air is released, water replaces the air in the body of the vent and the float rises. This closes the valve.



BRASS

Taco only uses brass that meets the ASTM C37700 and ASTM C38500 standards.

ADVANTAGES

- High venting capacity
- Chrome plated brass body and cap
- 100% electronic leakage control, with additional manual leakage checks according to AQL standards, and multiple inspections during manufacturing

DESIGN

Float-controlled air vent with a removable cap. The body and cap are made of brass, while the internal components of the vent and stop valve are made of stainless steel or heat-resistant plastic. All sealing elements are made of high-temperature and aging-resistant plastic.

LIMITED WARRANTY STATEMENT

Taco, Inc. ("Taco" or the "Company") will repair or replace without charge (at the Company's option) any Taco product or part which is proven defective under normal use within one (1) year of the date of first use or within one (1) year and six (6) months of shipment from Taco (whichever occurs first). In order to obtain service under this warranty, it is the responsibility of the purchaser to promptly notify the local Taco stocking distributor or Taco in writing and promptly deliver the subject product or part, delivery prepaid, to the stocking distributor. For assistance on warranty returns, the purchaser may either contact the local Taco stocking distributor or Taco. If the subject product or part contains no defect as covered in this warranty, the purchaser will be billed for parts and labor charges in effect at time of factory examination and repair. Any Taco product or part not installed or operated in conformity with Taco instructions or which has been subject to misuse, misapplication, the addition of petroleum-based fluids or certain chemical additives to the systems, or other abuse, will not be covered by this warranty. If in doubt as to whether a particular substance is suitable for use with a Taco product or part, or for any application restrictions, consult the applicable Taco instruction sheets or contact Taco at [401-942-8000]. Taco reserves the right to provide replacement products and parts which are substantially similar in design and functionally equivalent to the defective product

or part. Taco reserves the right to make changes in details of design, construction, or arrangement of materials of its products without notification.

TACO OFFERS THIS WARRANTY IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY IMPLIED BY LAW INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS IS IN EFFECT ONLY FOR THE DURATION OF THE EXPRESS WARRANTY SET FORTH IN THE FIRST PARAGRAPH ABOVE.

THE ABOVE WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR STATUTORY, OR ANY OTHER WARRANTY OBLIGATION ON THE PART OF TACO.

TACO WILL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF ITS PRODUCTS OR ANY INCIDENTAL COSTS OF REMOVING OR REPLACING DEFECTIVE PRODUCTS.

This warranty gives the purchaser specific rights, and the purchaser may have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts or on the exclusion of incidental or consequential damages, so these limitations or exclusions may not apply to you.