



BS 910 Brass Automatic Air Vent

Installation, operation and maintenance

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ECI EUROPEAN
CASTING
INDUSTRY

Use and Available Scope

Automatic Air Vents are designed to release the air trapped in heating and air conditioning system without manual intervention by a technician. By releasing the trapped air, air vents prevent harm and damage of the heating and cooling system that is caused by oxygen corrosion, cavitation or vapor bubbles that form in circulation pumps and pockets of air trapped in heating elements.

Medium

Air Vents are used only for non-hazardous liquids.

Operating pressure and temperature

Air vents have working pressure of 10 Bar with maximum temperature of 100 °C and minimum temperature of 0°C. maximum pressure decreases while temperature increases. Please do not exceed the maximum pressure and temperature. For more information, please refer to the technical data sheet.

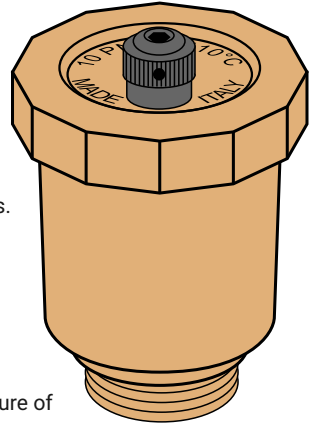
Transportation and Storage

When being moved and stored please keep the packaging intact. Do not throw the package heavily on the ground as it will damage the valves. Place the boxes carefully and store in covered in environment in case of long storage to prevent rust discoloration and corrosion.

Preparation Installation and Use

Preparation:

- Make sure the air vents will be installed in well designed piping system. It is recommended to use piping design that has sufficient means of draining and venting to avoid harmful effects such as corrosion from uncontrolled chemical reactions or oxygen and water hammer. The piping system suitable for air vents should have low risk of fatigue from pipe vibrations.
- Clean or flush the piping system to eliminate any debris or liquid before installing the valve.
- Remove any special packaging found, inspect the valve and ensure that it is the right valve used for the installation procedure and intended use.





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Installation:

- Ensure that a seal washer is installed on the male thread of the valve to ensure leak tightness. Do not use excessive force to tighten the valve, it will only cause damage.
- The valve should be installed in a vertical position depending on the design system such as manifolds, air separators, riser pipes or any other system where air pockets or bubbles will occur.
- It is not recommended to install the valve in places which could be subject to freezing. Please refer to the temperature guideline.

Use:

- During the use of the air vent ensure that the upper cap is loosened.
- The BS910 Brass Automatic Air Vent does not have an automatic shut off by means of o-ring. It will not shut off the water supply automatically during maintenance and inspection.

Maintenance

- The BS910 Air vent is maintenance free.
- During inspection or maintenance ensure that the system is at zero pressure and ambient temperature.
- Ensure that the correct tools and equipment are used when undergoing any maintenance.
- Ensure that all the risk assessment is done in case of any hazardous elements.
- The BS910 Air vent is not fire safe and is not suitable for fatigue loading, for any doubts please contact the ECI technical team for more information.
- After long use, water leakage or damage can occur, it is recommended to replace the valve.

Important notes:

- All installation and assembly must be done by competent engineers on site. European Casting Industry Srl is not liable to any damage done to the valve in case of misuse and wrong assembly. If any doubts arise, please contact European Casting Industry Srl through email at info@ecivalve.it for further information, or contact the official distributor in the region where you are located in.
- The installation or operation manual can be updated periodically without prior notice. Please check the website or contact European Casting Industry Srl for any updates.