

High Capacity Automatic Air Vent - High Capacity Automatic Air Vent with check valve

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5022-5023 Series



Function

High capacity float type automatic air vent designed for use on manifolds or pipes in sealed heating systems. Check valve on 5023 series allows an easy replacement of air vent without purging the system.

These items are designed for use in closed hydronic systems. Do not use in plumbing applications. These items do not meet the low-lead plumbing standards of U.S. and Canada.

Technical Characteristics

| | |
|-------------------------------------|--|
| Connection: | 1/2" NPT male |
| Materials: Body | Brass |
| Float | PP |
| Seals | peroxide-cured EPDM 150 |
| Maximum working pressure: hot water | psi (10 bar) |
| Maximum venting pressure: | 60 psig (4 bar) |
| Maximum working temperature: | 5022: 250° F (120° C); 5023: 230° F (110° C) |



SAFETY INSTRUCTION

This safety alert symbol will be used in this manual to draw attention to safety related instructions. When used, the safety alert symbol means **ATTENTION: BECOME ALERT! YOUR SAFETY IS INVOLVED! FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN A SAFETY HAZARD.**



WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



CAUTION: All work must be performed by qualified personnel trained in the proper application, installation, and maintenance of systems in accordance with all applicable codes and ordinances.



CAUTION: Over-tightening and breakage can occur with the use of Teflon® pipe joint compounds. Teflon® provides lubricity so that care must be exercised not to over-tighten joints. Failure to follow these instructions could result in property damage and/or personal injury.



WARNING: System fluids are under pressure and temperature can be hazardous. Be sure the pressure has been reduced to zero and the system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.

Installation

The vent should be installed head up in vertical position, on the air separator, on manifolds, on riser pipes and generally in parts of the system where a concentration of air pockets is to be expected. Check valve on 5023 series should be installed prior to air vent.



CAUTION: Uncontrolled venting of water can occur with the automatic air vent if dirt, scale, pipe joint compound or any other foreign materials becomes trapped in the operating mechanism. Keep vent cap closed during filling to prevent dirt from flowing into vent mechanism. Failure to follow these instructions could result in property damage and/or personal injury.

Operating instructions

The automatic air vent is supplied complete with a safety hygroscopic cap that automatically closes the air discharge in case of contact with water. The hygroscopic cap does not provide an airtight seal, even when closed. If pressure testing is required, replace the hygroscopic cap with a plastic cap (Caleffi code R56214) or install an isolation valve beneath the vent.

For normal automatic venting, this cap should be screwed down finger tight.



CAUTION: Corrosion or leakage can cause damage or injury. Periodically inspect for signs of corrosion or leakage. If corrosion or leakage is noted, the vent must be replaced. Failure to follow these instructions could result in property damage and/or personal injury.

Service Instructions

There is no service required for the automatic air vent. A hygroscopic vent cap should be replaced every 3 years to assure proper functionality. The natural fiber wafers biodegrade over time.

Scan to view



AIR VENTS

Installation Tip



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