

## Automatic Air Vent

### 501 Series



#### Description

Large capacity float type automatic air vent designed for use on large pipes where large quantities of air is required to be released from the system

#### Technical Characteristics

Connection:	Inlet	3/4" NPT Female
	Exhaust	3/8" Straight Female
Maximum Working Pressure:		230 psig (16 bar)
Maximum Venting Pressure:		90 psig (6 bar)
Maximum Venting Rate:		8 SCFM (225 NI/min)
Maximum Temperature:		-4 to 250°F (-20 to 120°C)
Body Material:		Brass



#### 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.**



**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.

## Installation

The vent is installed in the vertical position, on distribution manifolds in central boiler application, on riser pipes and generally in parts of the system where a large concentration of air pockets is to be expected.



**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. Failure to follow these instructions could result in property damage and/or personal injury.



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



**CAUTION:** System fluids are under pressure or 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.

## Service Instructions

The seal seat operating mechanism is protected by a fine mesh strainer. If dirt, scale, pipe joint compound or any other foreign materials becomes trapped in strainer, it may require cleaning. Be sure the pressure has been reduced to zero and the system temperature is below 100°F (38°C) before disassembly for cleaning. Failure to follow these instructions could result in property damage and/or personal injury. A large O-Ring is fitted between the cover and body and between the venting mechanism and cover.



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