

## Automatic Hygroscopic Air Vent for radiators

### 5080 Series



#### Technical Characteristics

Connection:	1/8" NPT Male
Maximum Working Pressure: Hot Water:	150 psig (10 bar)
Steam:	15 psig (1 bar)
Maximum Peak Temperature:	230°F (110°C)
Maximum Working Temperature:	212°F (100°C)
Body Material:	Chrome-plated 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.

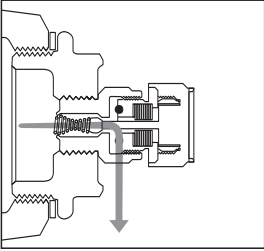


**CAUTION:** Over-tightening and breakage can occur with the use of Teflon® pipe joint compounds. Teflon® provides lubricity so that care must be exercised not to over-tighten joints. Failure to follow these instructions could result in property damage and /or personal injury.



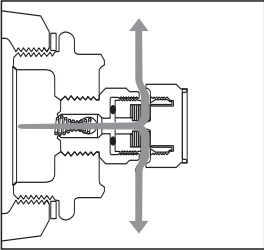
**WARNING:** System fluids are under pressure or temperature can be hazardous. Be sure the pressure has been reduced to zero and the system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.

## Operation:



### Manual Discharge Position:

Unscrew the knob counter-clockwise one turn. This position is used mainly when filling the system.



### Automatic Discharge Position:

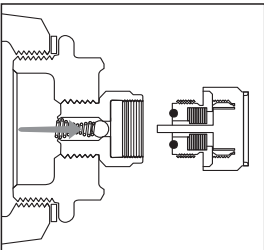
Turn the knob clockwise until it seats completely. Valve will vent air automatically.

## Service Instructions

The cartridge (knob) portion of the vent contains the hygroscopic disc. The cartridge can easily be replaced without draining the system. The disc will deteriorate overtime It is necessary to replace the cartridge at least every two years.



**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. Replace the hygroscopic cartridge at least every two years or sooner if installed in aluminum radiators.



### Replacement Cartridge:

Allow system to cool before replacing cartridge. Remove cartridge by unscrewing knob counter-clockwise. A small ball inside the body prevents water from escaping. Replacement cartridge Part number: **508100**.



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