



## Number 97 Automatic Air Vent

1/8" Male NPT Connection

### Operational Limits

Max Temperature	240°F (116°C)
Max Pressure	150 psig (10 Bar)

**INSTALLER:** PLEASE LEAVE THIS MANUAL FOR THE OWNER'S USE.



### 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.**

### DESCRIPTION

The No. 97 is a float type automatic air vent and is designed to vent the accumulation of troublesome air whenever it can be trapped.

### INSTALLATION INSTRUCTIONS



**CAUTION:** Uncontrolled venting of water can occur with the automatic air vent if dirt, scale, pipe compound or other foreign material fouls the operating mechanism. Keep vent cap closed during system filling to prevent dirt from running into vent mechanism. Failure to follow these instructions could result in property damage and/or moderate personal injury.



**CAUTION:** Hot venting can be hazardous. Avoid contact with venting fluid and only manually vent when system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.



**CAUTION:** Overtightening and breakage can occur with the use of PTFE pipe joint compounds. PTFE 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 moderate personal injury.

1. Install the No. 97 automatic air vent in a hydronic piping system or in hydronic system components where air is expected to accumulate and must be removed for proper hydronic system operation.
2. The No. 97 air vent is a float type and must be installed in the vertical position with the vent connection pointing up.

## OPERATING INSTRUCTIONS



**CAUTION:** Uncontrolled venting of water can occur with the automatic air vent if dirt, scale, pipe compound or other foreign material fouls the operating mechanism. Keep vent cap closed during system filling to prevent dirt from running into vent mechanism. Failure to follow these instructions could result in property damage and/or moderate personal injury.



**CAUTION:** Hot venting can be hazardous. Avoid contact with venting fluid and only manually vent when system temperature is below 100°F (38°C). Failure to follow these instructions could result in property damage and/or personal injury.



**CAUTION:** For installation in places where dripping may cause damages, use the hygroscopic security cap item cod. 113252

The No. 97 automatic air vent can be used for automatic or manual venting of hydronic systems.

1. To manually operate, press down on the vent stem.
2. For normal automatic venting, open cap one full turn for a slow release of air. A fast release of the air will allow dirt or scale to foul the vent mechanism. The small hole in the side of the cap allows air to escape.
3. To shutoff automatic air vent, screw cap down tight.

## SERVICE INSTRUCTIONS

There is no service required for the automatic air vent.



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

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