



Number 98 High Capacity Air Vent

1/2" Female NPT Connection

Operational Limits

| | |
|-------------------|--------------------|
| Temperature Range | 32-250°F (0-120°C) |
| Max. Pressure | 150psig (10 Bar) |

Installation, Operation, & Service Instructions

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



SAFETY INSTRUCTIONS

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 Bell & Gossett No. 98 is a high capacity automatic air vent that is capable of releasing large amounts of air from hydronic systems.

TECHNICAL SPECIFICATIONS

| | |
|----------------------------|------------------------|
| Connections: | 1/2" NPT Female |
| Materials: – Body | Brass |
| – Float | PP |
| – Stem | Brass |
| – Seals | EPDM |
| Suitable fluids: | Water, glycol solution |
| Max. percentage of glycol: | 50% |

INSTALLATION INSTRUCTIONS

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: If the No. 98 vent is not installed, commissioned and maintained properly, according to the instructions contained in this manual, it may not operate correctly and may endanger the user.

CAUTION: Make sure that all the connecting pipework is water tight.

CAUTION: When making the water connections, make sure that the pipework connecting the No. 98 vent is not mechanically over-stressed. Over time this could cause breakages, with consequent water losses which, in turn, could cause harm to property and/or people.

CAUTION: Water temperatures higher than 100°F (38°C) can be dangerous. During the installation, commissioning and maintenance of the No. 98 vent, take the necessary precautions to ensure that such temperatures do not endanger people.

INSTALLATION INSTRUCTIONS (cont'd)

The No. 98 automatic air vent must be installed in a vertical position. They are typically installed on the manifolds, on the rising main and in the points of the circuit where air bubbles are concentrated and must be vented.



WARNING: State of California Residents

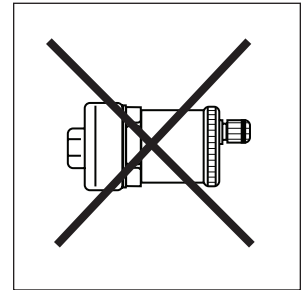
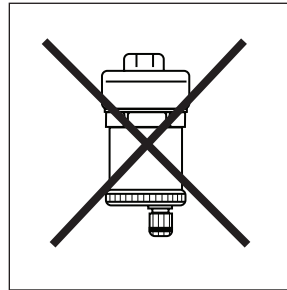
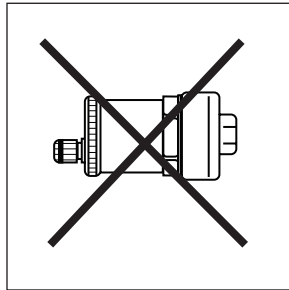
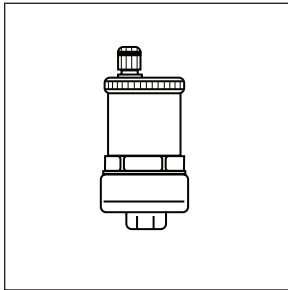
This product contains a chemical known by the State of California to cause cancer. This product contains a chemical known by the State of California to cause birth defects or other reproductive harm.



CAUTION: The installation of the vent in places subject to freezing is not recommended. In the case of installation in locations that cannot be inspected, it is recommended to replace the upper caps with the safety hygroscopic caps, code 59681. To allow for the venting of the air during normal operation, the upper cap must be loose (tight in the hygroscopic version).



CAUTION: Uncontrolled venting of water can occur with automatic air vents if foreign material prevents vent from closing. Unwanted flow should be directed to a drain. Failure to follow these instructions could result in property damage and/or moderate personal injury.



OPERATING & SERVICE INSTRUCTIONS



CAUTION: All safety instructions and cautions apply. Please review these instructions (as mentioned under INSTALLATION INSTRUCTION Section) before operating and/or servicing this product.

The No. 98 automatic air vent valve is designed to enable the inspection of the internal mechanism.

The accessibility to the moving parts that control the air outlet is obtained by simply removing the upper cover. The body is also detachable from the lower part connected to the piping,

It is recommended to install a shut-off valve before the No. 98 device to simplify any maintenance operations.

