For Residential, Commercial and Industrial Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series HAV Air Vent

Automatic Vent for Hot Water

Sizes: ⅛" and ¼"

The HAV Hot Water Vent is designed for automatic or manual air release on baseboards, convectors, radiators, and high points in piping systems.

The HAV valve utilizes moisture retaining discs within the body which vary in volume when they change from a wet to a dry condition. As the discs dry, they allow air to escape from the system and when wet, provide a positive shut-off.

Features

- Attractive chromed brass body
- Durable "Stainless Steel" check valve
- Automatic or manual operation
- Quick venting design
- Positive shut-off ball check
- Heat resistant handwheel
- Suitable for use with hot water and low pressure steam systems
- Easily maintained–replacement cartridge can be installed without system shut down
- Simple two piece construction

ORDERING CODE NO.	NO.	DESCRIPTION
590712	⅛ HAV	HAV Air Vent
590713	¼ HAV	HAV Air Vent
590714	HAV-RC	Replacement Cartridge

Materials

The HAV Air Vent is manufactured in two parts (body and disc cartridge).

Body	Chromed Brass
Disc bearing cover	Brass
Check valve	Stainless steel
Thermostat assembly	Copper
O-ring	Neoprene
Handwheel	Heat resistant ABS plastic material
Disc	Special cellulose fiber

A periodic check of the condition of the discs will establish the need for replacement. When the discs are damaged, the valve can only operate manually; to restore to automatic working, the cartridge must be replaced.

To replace the cartridge, unscrew the handwheel, clean the seat of the valve of any foreign matter and then assemble a new disc cartridge. The body contains a check valve, preventing water leakage, there-fore, this operation can be carried out without draining the water from the radiators.

Pressure – Temperature

Suitable for water only additives: Only inhibited glycol based additives are permissible.

Maximum Working Pressure: 125 psi (8.6 bar)

Minimum Working Pressure: 1.45 psi (10 kPa)

Maximum Water Temperature: 240°F (116°C)

Minimum Water Temperature: 1 40°F (60°C)

Test Pressure: 130 psi (9 bar)

Maximum Steam Pressure: 10 psi (69 kPa)

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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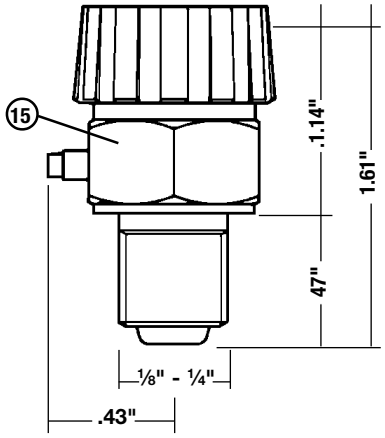
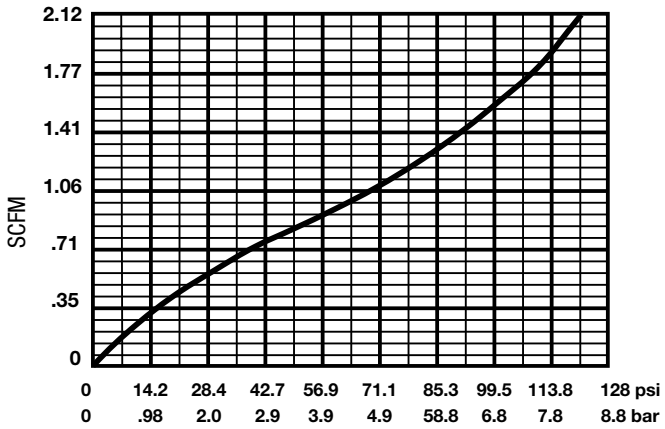
Basic Construction

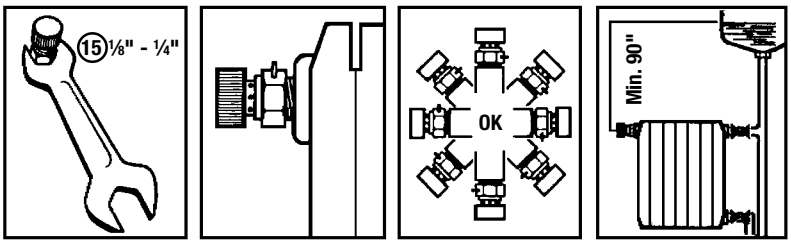


Capacity

Diagram 1
Venting Capacity



Correct Installation/Maintenance



Incorrect Installation/Maintenance

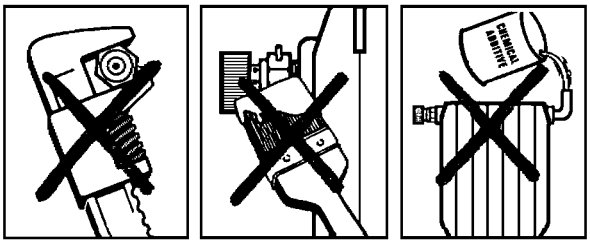
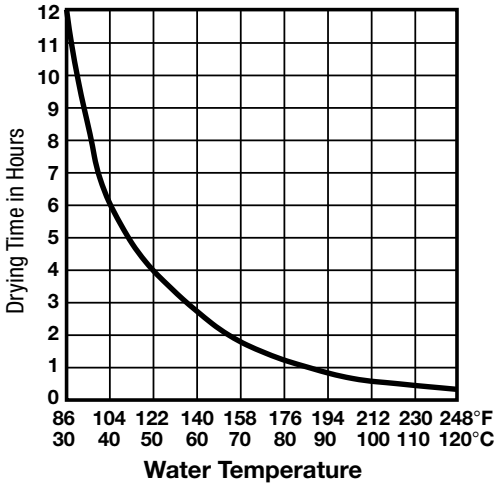


Diagram 2



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