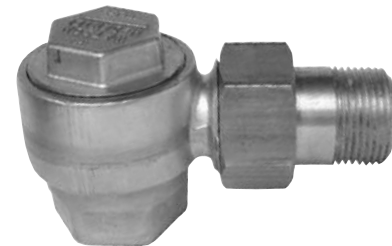


SPECIALTY PRODUCTS

AVT125

Thermostatic Air Vent

| | |
|--------------------------------|-----------------------------|
| Model | AVT125 |
| Sizes | 1/2", 3/4" |
| Connections | NPT |
| Body Material | Forged Brass |
| PMO Max. Operating Pressure | 125 PSIG |
| TMO Max. Operating Temperature | 353°F |
| PMA Max. Allowable Pressure | 125 PSIG up to 450°F |
| TMA Max. Allowable Temperature | 450°F @ 125 PSIG |



TYPICAL APPLICATIONS

The **AVT125** is used on steam applications up to 125 PSIG for removal of air and non-condensable gases from process equipment, vessels and piping.

HOW IT WORKS

The thermostatic air vent contains a welded stainless steel thermal element that expands when heated and contracts when cooled. When air and non-condensable gases are present, the valve is in the open discharge position. When steam reaches the air vent, the element expands and closes the valve off tightly.

FEATURES

- Simple design for easy maintenance
- All Stainless Steel Internals
- Thermal element is the only moving part

SAMPLE SPECIFICATION

Air Vent shall have a stainless steel thermal element operation with forged brass construction, featuring a union nipple inlet connection. The valve and seat shall be stainless steel.

INSTALLATION & MAINTENANCE

The AVT125 should be located at a high point in the system or vessel. The air vent can be installed in any orientation. An isolation valve should be installed to facilitate repair without system shut-down. Unit is in-line repairable. Repair kits are available.

MATERIALS

| | |
|--------------|----------------------------------|
| Body & Cover | Forged Brass, CA 377 |
| Element | Welded Stainless Steel, AISI 302 |
| Spring | Stainless Steel, AISI 304 |
| Seat | Stainless Steel, AISI 303 |
| Gasket | Brass, ASTM B-21 |
| Union Nipple | Brass, ASTM B-16 |
| Union Nut | Brass, ASTM B-16 |

CAPACITIES – Air (SCFM)

| Size | Orifice Size | Inlet Pressure (PSIG) | | | | | |
|------|--------------|-----------------------|----|----|----|-----|-----|
| | | 5 | 10 | 25 | 50 | 100 | 125 |
| 1/2" | .25" | 9 | 13 | 22 | 37 | 65 | 80 |
| 3/4" | .30" | 12 | 16 | 27 | 46 | 82 | 100 |

DIMENSIONS & WEIGHTS – inches / pounds

| Size | A | B | C | D | Weight |
|------|---------------------------------|--------------------------------|---|-------------------------------|--------|
| 1/2" | 2 ¹³ / ₁₆ | 1 ³ / ₁₆ | 1 | 2 ¹ / ₈ | 2.75 |
| 3/4" | 3 ¹ / ₁₆ | 1 ³ / ₁₆ | 1 | 2 ¹ / ₈ | 2.75 |

