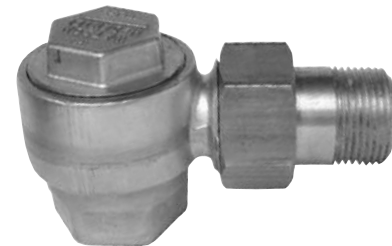


# SPECIALTY PRODUCTS

## AVT125

### Thermostatic Air Vent

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



### 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 <sup>13</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	1	2 <sup>1</sup> / <sub>8</sub>	2.75
3/4"	3 <sup>1</sup> / <sub>16</sub>	1 <sup>3</sup> / <sub>16</sub>	1	2 <sup>1</sup> / <sub>8</sub>	2.75

