

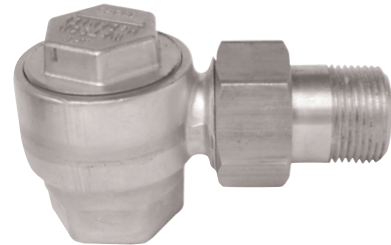
SPECIALTY PRODUCTS

AVT125

Thermostatic Air Vent

Revised 7/2002

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 APPLICATION

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

- **Fast start-up, orifice fully open on start-up**
- **Simple design for easy maintenance**
- **Hardened stainless steel valve & seat**
- **Thermal element is only moving part**

SAMPLE SPECIFICATION

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

INSTALLATION

The AVT125 should be located at a high point in the system or vessel. The air vent can be installed in any orientation. The discharge of this unit should be piped to a safe location. Isolation valves should be installed for maintenance purposes.

MAINTENANCE

Dirt is the most common cause of premature failure; therefore, the air eliminator should be periodically inspected and cleaned. For full maintenance details see Installation and Maintenance Manual.

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

AIR CAPACITIES – (scfm)

Size	Orifice	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 – 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

