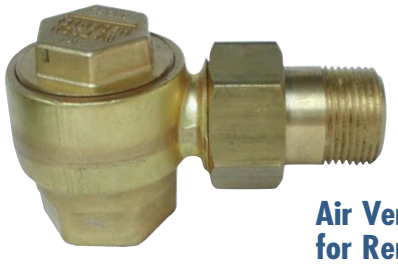
AVT125

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**



Air Vents are used for Removing Air from Steam Systems

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. The air vent should be located at a high point in the system or vessel and can be installed in any orientation.

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

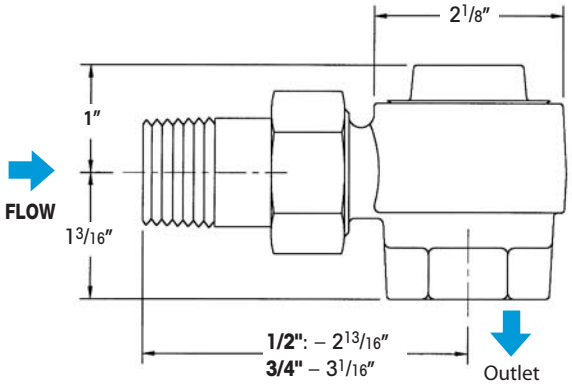
Sample Specification

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

Installation & Maintenance

Air vents 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.

Size/Connection NPT	Model Code	Orifice Size	PMO PSI	Weight lbs
1/2"	**AVT125-12-N**	1/4"	125	1.5
3/4"	**AVT125-13-N**	5/16"	125	1.5



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"	1/4"	9	13	22	37	65	80
3/4"	5/16"	12	16	27	46	82	100

PIPELINE ACCESSORIES