

# SPECIALTY PRODUCTS

## AV2000C

### Thermostatic Air Vent

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Model	<b>AV2000C</b>
Sizes	<b>1/2", 3/4"</b>
Connections	<b>NPT</b>
Body Material	<b>Stainless Steel</b>
PMO Max. Operating Pressure	<b>650 PSIG</b>
TMO Max. Operating Temperature	<b>Saturated Steam Temp.</b>
PMA Max. Allowable Pressure	<b>1032 PSIG @ 100°F</b>
TMA Max. Allowable Temperature	<b>750°F @ 800 PSIG</b>



### TYPICAL APPLICATIONS

The **AV2000C** is used on industrial steam applications up to 650 PSIG for the 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

- Welded stainless steel thermal element
- Hardened stainless steel seat and valve plugs for extended service life
- Integral strainer to protect from contamination
- Steam pressures up to 650 PSIG
- Special Subcool Options Available

### SAMPLE SPECIFICATION

Air Vent shall have a thermal element operation with a seal-welded tamper-proof stainless steel construction. All internals shall be stainless steel, featuring an integral strainer and hardened seating system.

### INSTALLATION

The air vent 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 removal and replacement without system shut-down. Unit is seal-welded and non-repairable.

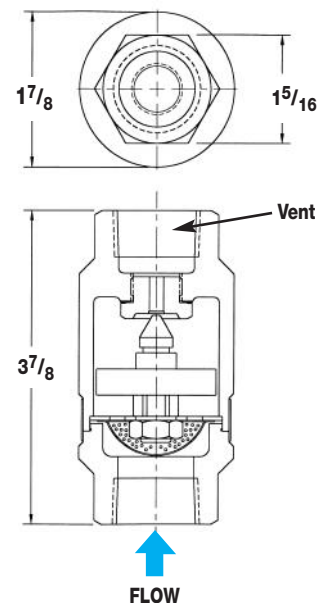
### MATERIALS

Housing	Stainless Steel, ASTM A351-CF3
Thermal Element	Stainless Steel
Valve & Seat	Hardened Stainless Steel, 40 Rc
Strainer Screen .033" perf.	Stainless Steel

### HOW TO ORDER

Specify model, pipe size and orifice size. If orifice size is not specified, the standard 5/16" diameter will be used.

### DIMENSIONS – inches



### CAPACITIES – Air (SCFM)

Model	Orifice Size	PMO (PSIG)	Inlet Pressure (PSIG)																	
			2	5	10	25	50	100	125	150	200	250	300	350	400	450	500	550	600	650
AV2001C	3/16"	650	5.2	6.2	7.7	12.4	20.2	35.9	43.9	51.5	67.2	82.8	98.5	114	130	145	161	177	192	208
AV2003C	5/16"	650	10.7	12.6	15.8	25.4	41.4	73.3	89.4	105	137	169	201	233	265	297	329	361	393	425