

1-AVC

A *Visible* Improvement
for Venting Air/Gas
from a Liquid.



Armstrong

Armstrong's 1-AVC Air Vent

Capacities to 24.3 SCFM, Pressures to 150 psig **150°F.**

A See-Thru Body

So You'll **Know When It's** Working

Now, you can literally see what you've been missing—the early warning signs of a system problem. Since you'll **know** the operating condition of the air vent, you won't waste time and money scheduling maintenance that isn't needed. In other words, you will be able to react to a condition before it becomes a problem.

A simple ball float mechanism requiring no electricity to operate, the new Armstrong 1-AVC discharges automatically only when air/gas are present. That means no liquid loss as with manual purging.

An inside look

See-thru body means you can observe changing conditions as they occur. See a problem in the making—instead of having to deal with it after the fact.

Efficient operation

Simple ball float mechanism discharges only when air is present so it doesn't waste liquid.

Positive seating

Free-floating valve mechanism assures positive seating so it prevents liquid loss. There are no fixed pivots to wear or create friction, and wearing points are heavily reinforced for long life.

Reduced maintenance

Stainless steel internals mean corrosion resistance and reduced maintenance.

Corrosion resistance

Long-lasting polysulfone body and reinforced nylon cap resist corrosion and provide long, trouble-free service life.

Compare...

and Save the Difference

Seeing really is believing—especially when you compare the Armstrong see-thru air vent with manual purging. Measure the differences in the time and money you can save with a more efficient, easier-to-maintain system. For more information or technical assistance, contact your local Armstrong Representative.

List of Materials

Name of Part	Material
Cap	Reinforced Nylon
Body	Polysulfone*
O-Rings (Body Cap and Fitting)	Nitrile Elastome Compound
Float Lever and Screws	Stainless Steel
Valve & Seat	Stainless Steel
Fitting & Pipe Plug	Reinforced Nylon
Retainer Ring	Zinc Plated Steel

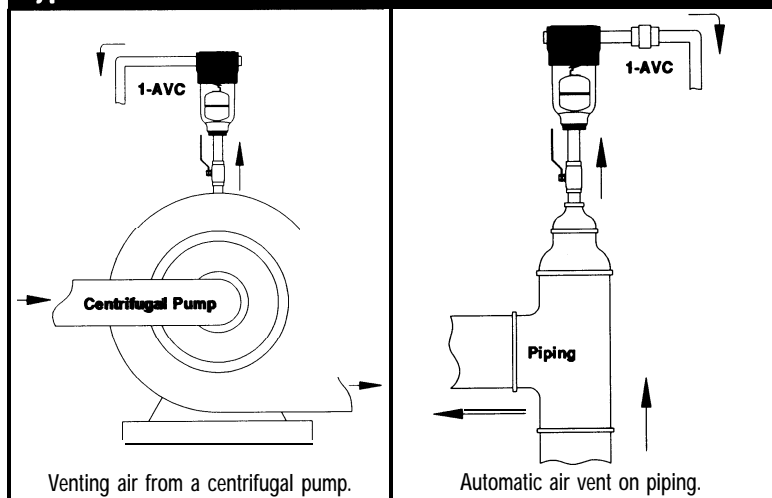
*UV sensitive.

Capacities

Differential Pressure (PSIG)	Differential Pressure (BAR)	Orifice Size	Model 1-AVC (SCFM)
15	1.0 BAR	1/8"	4.3
30	2.0 BAR		6.5
50	3.5 BAR		9.5
75	5.0 BAR		13.1
100	7.0 BAR		16.9
125	8.5 BAR		20.5
150	10.5 BAR		24.3

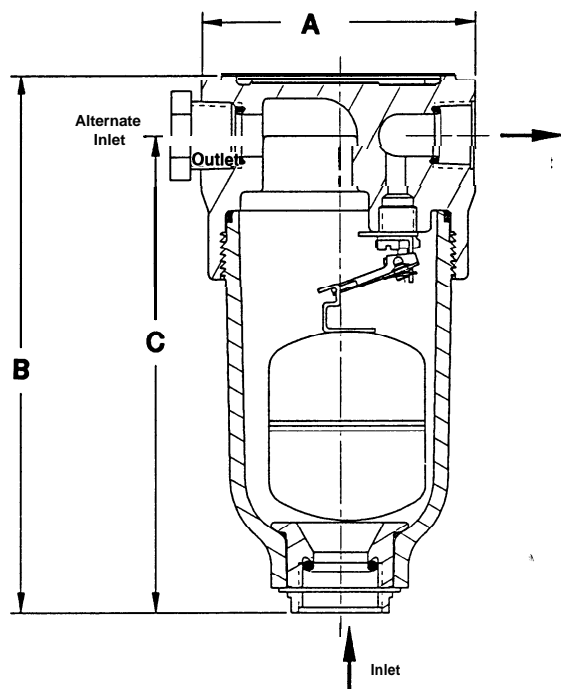
Discharge of air through an orifice in SCFM (Standard Cubic Feet of Free Air per Minute) at a standard atmospheric pressure of 14.7 psi and 70°F.

Typical 1-AVC Locations



Physical Data

Inlet Connection	1/2", 3/4"	15, 20 mm
Outlet Connection	1/2"	15 mm
"A" (Face-to-Face)	3 1/2"	89 mm
"B" (Height)	6 7/8"	171 mm
"C" (Bottom to C)	6"	152 mm
Maximum Allowable Pressure (Vessel Design)	150 PSIG @ 150°F	10 BAR @ 65°C
Maximum Operating Pressure	150 psi	10 BAR
Specific Gravity Range	1.00 to 0.80	1.00 to 0.80
Weight	1 lb	.45 kg



NOTE: The Armstrong 1-AVC should not be used in an environment where there are high levels of ketones or chlorinated or aromatic hydrocarbons.



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