

# FLO FAB



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## Air Vents



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Manufacturer of Pumps, Tanks, Heat Exchangers & Accessories  
for HVAC Market After-Sales Parts and Services

### Air Vents

FLO FAB INC  
LAKE WORTH,  
FLORIDA, USA



## FEATURES

The FLO FAB Automatic Air Vent series AA is designed for continuous air venting in hot and chilled water systems. When used to protect coils, it is best located on the supply side of the coil to prevent air from entering the coil and requiring a service call to vent the air. The unit is best located where pipe velocities are reduced. An ideal location is directly in the body of a "Y" Strainer. The strainer screen breaks and collects bubbles which are vented by the automatic air vent.

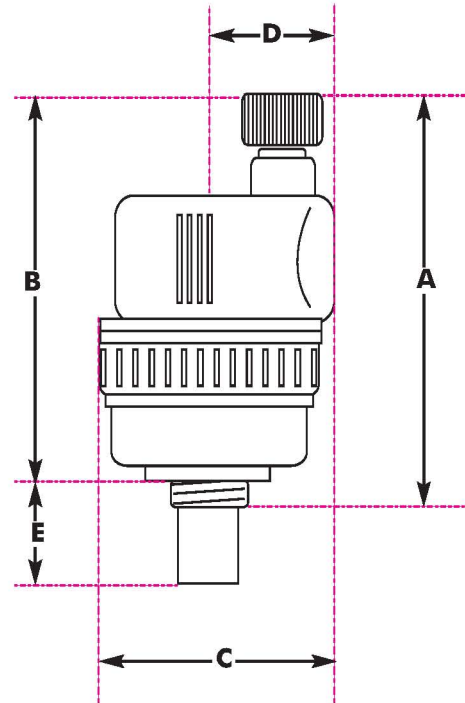
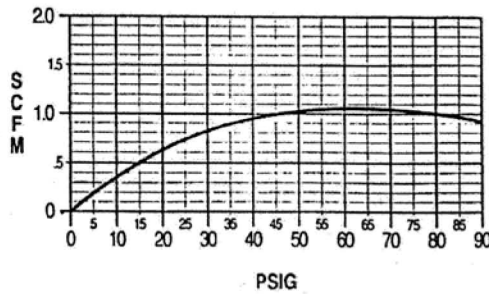
## SPECIFICATION

**Float Material:** Polypropylene

**Cap Material:** Nylon

**Body Material:** Brass

**Application:** Devices and Unit Heaters



## NOTES

- 1) For continuous air venting, cap should remain open one full turn.
- 2) The "Y" Strainer should always be equipped with a blow-down valve.
- 3) Dimensions not to be used for construction unless prints certified by factory.

## NOMINAL DIMENSIONS

Models	Size	A	B	C	D	E	Weight
AA0012	1/8" 3 mm	2 <sup>5</sup> / <sub>16</sub> " 75 mm	2 <sup>5</sup> / <sub>8</sub> " 67 mm	1 <sup>5</sup> / <sub>8</sub> " 41 mm	1 <sup>3</sup> / <sub>16</sub> " 21 mm	5/16" 7.9 mm	0.4 lbs 0.18 kg
AA0025	1/4" 8 mm	3 <sup>1</sup> / <sub>8</sub> " 79 mm	2 <sup>5</sup> / <sub>8</sub> " 67 mm	1 <sup>5</sup> / <sub>8</sub> " 41 mm	1 <sup>3</sup> / <sub>16</sub> " 21 mm	1/8" 3.1 mm	0.43 lbs 0.20 kg

Dimensions are subject to change without notice.

## Air Vent Series AA

**Figure 1** Shows the installation of the AA for the venting of air while the fluid is circulating in the system. The figure shows the required increase in pipe size in order to obtain proper separation of air from water. FLO FAB's series AS Air Scoop which is designed for efficient separation of air from water in hydronic heating systems can also be installed.

When the AA is installed as shown in **Figure 2**, the air will not be vented while the fluid is circulating in the system, but it can vent when the system is shut off.

The AA should be mounted vertically as its operation is based on the vertical movement of the float. **See Figure 3**

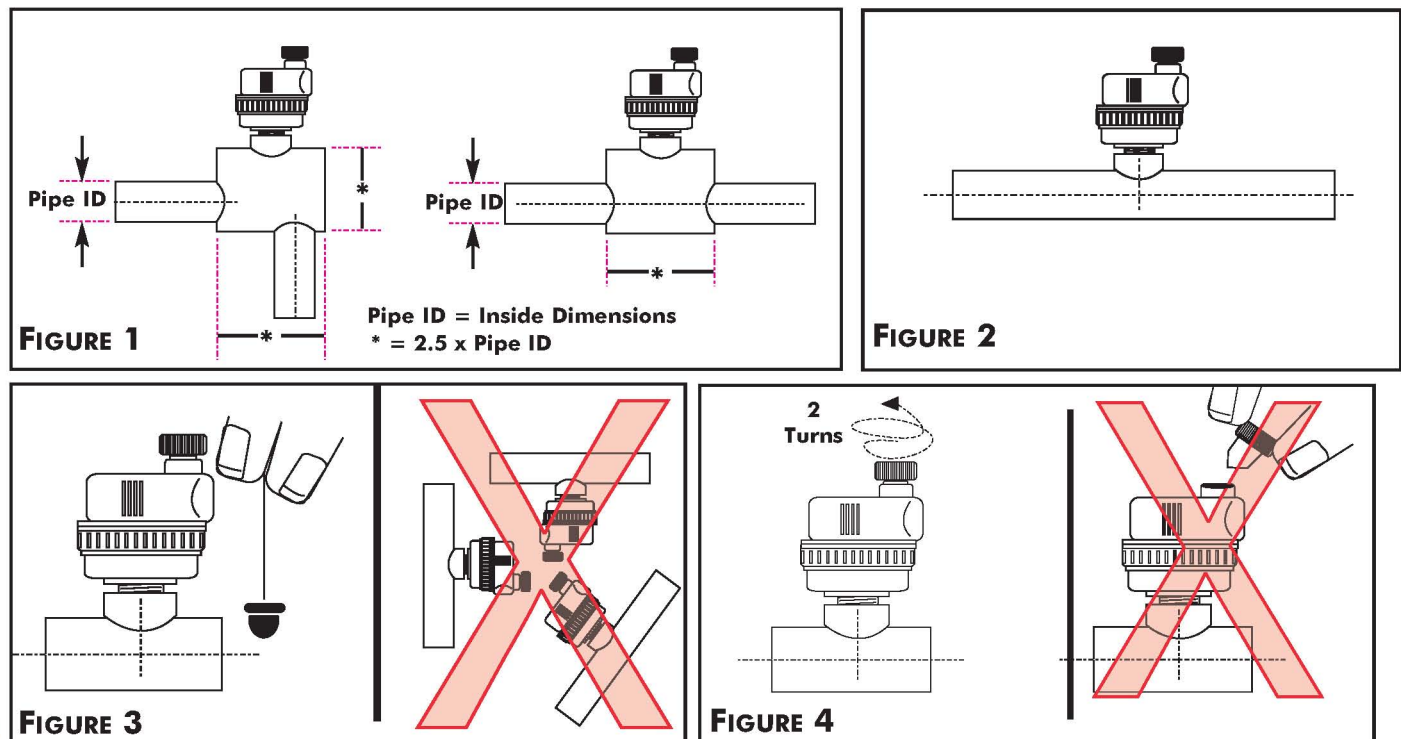
**Note:** In order to get best results in venting air from risers, use connecting pipes of at least 1/2" diameter between the float vent valves and the installation.

### MAINTENANCE

No maintenance is normally required. However, if the AA is disassembled for inspection or cleaning, it is important that when re-assembling to ensure that the spring loaded lever properly engages under the float collar.

### OPERATION

After installing the AA, back off the small vent cap two turns, as shown on **Figure 4**. This is the proper operating setting which allow air to be vented from the system. It is advisable not to take off the cap to prevent impurities from entering the valve.





## Air Vent Series MV

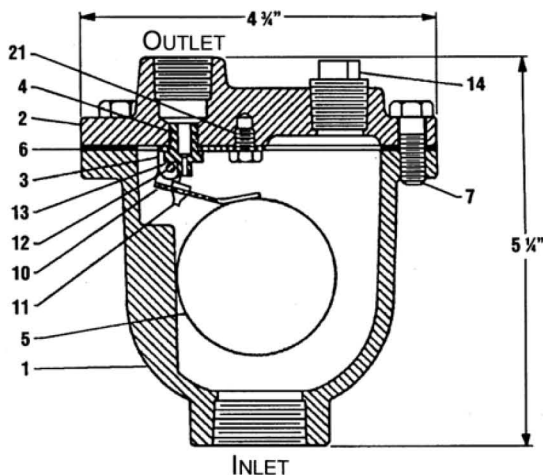
The FLO FAB Automatic Air Vent series MV features a stainless steel spherical float design. The air in the piping system is vented through the discharge valve which is normally open. The rising water activates the float to close the valve. The valve outlet is tapped to be hooked to the safety drain line.

The simplicity of design of the FLO FAB Series MV assures long-lasting efficiency. The stainless steel float and valve mechanism involve no wearing parts, no intricate function. The precision custom fit cast iron body, float and valve, protectively houses their operation under the most rugged conditions.



### FEATURES

- 1) Rugged cast iron body and cover
- 2) Stainless steel float and trim
- 3) Spherical float for strenght
- 4) Special design eliminates blow-by
- 5) Tapped to take safety drain line
- 6) Two sizes suit all riser systems
- 7) For piping systems and mechanical room



Part No	Part Name	Standard Materials
1	Body	Cast Iron ASTM A126 Class B
2	Cover	Cast Iron ASTM A126 Class B
3	Lever Frame	Stainless Steel T304 ASTM A240
4	Seat	Stainless Steel T303 ASTM A276
5	Float	Stainless Steel T304 ASTM A240
6	Gasket	Garlock #3000 (Non-Asbestos)
7	Cover Bolt	Bolt Alloy Steel SAE Grade 5
10	Float Arm	Stainless Steel T304 ASTM A240
11	Orifice Button	Button Viton
12	Pivot Pin	Stainless Steel T303 ASTM A276
13	Pin Retainer	Stainless Steel PH 15-7 MO
14	Pipe Plug	Malleable Iron
21	Locator	Stainless Steel T18-8 ASTM A276

Models	Max. Pressure	Max. Temp.	Inlet Size	Outlet Size	Valve Orifice	Height	Width	Length
MV15075	150PSI 1034 kPa	345°F 184°C	3/4" 19.05 mm	3/8" 10.16 mm	1/16" 1.27 mm	5 1/2" 133.35 mm	4 1/4" 120.65 mm	4 3/4" 120.65 mm
MV30075	300 PSI 2068 kPa	425 F 226 C	3/4" 19.05 mm	1/2" 13.54mm	1/16" 1.27 mm	6" 162.42mm	5 1/8" 138.73mm	5 1/8" 138.73 mm

Dimensions not to be used for construction unless prints certified by factory.

# For Future Use

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