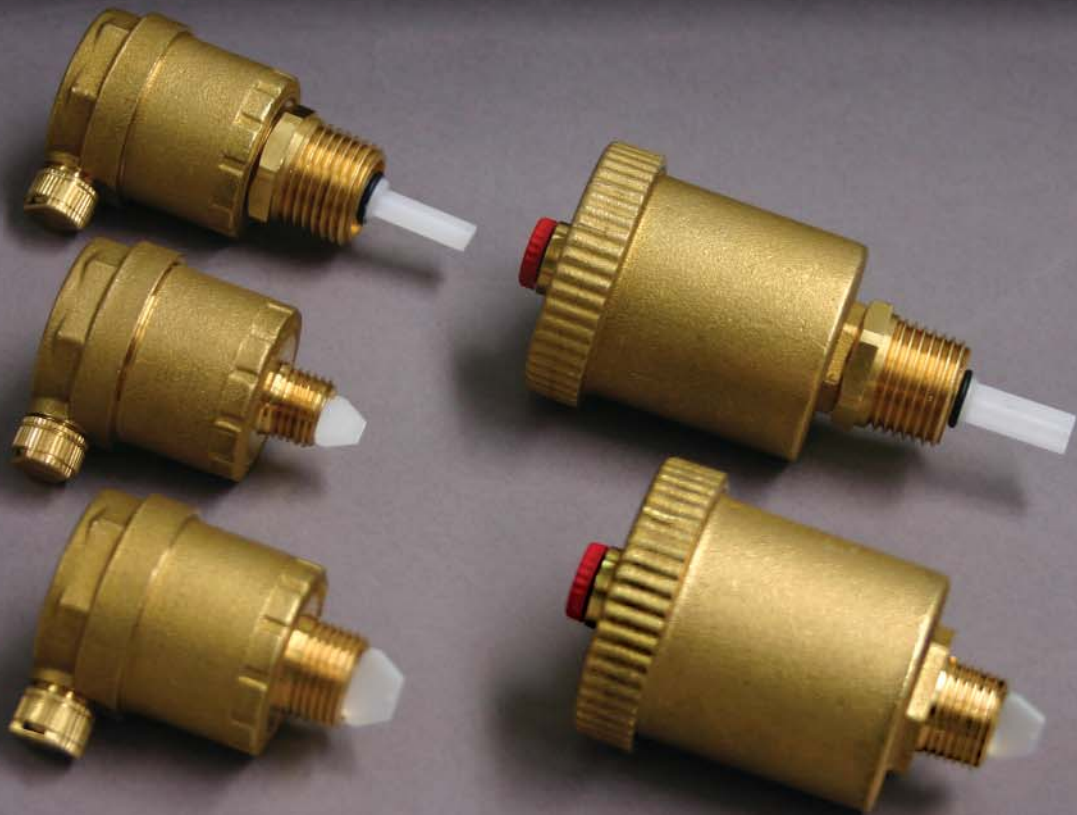


# ARMSTRONG



## 1/8" - 3/4" Automatic Air Vents

FILE NO:	11.14
DATE:	June 17, 2005
SUPERSEDES:	11.14
DATE:	June 11, 2004

## Armstrong Series AV Automatic Air Vents

Armstrong AVA and AVV automatic air vents continuously remove air that can accumulate in a Hydronic system. Effective air elimination helps to reduce system operating noise caused by entrained air in the hydronic fluid and also helps to extend system component life by reducing the risk of corrosion or cavitation. AVA and AVV automatic air vents may be used on their own, or with Armstrong air removal traps for maximum air elimination performance.

In operation, when sufficient air is accumulated in the air vent chamber, the float mechanism opens the vent valve, and system pressure expels the air to the atmosphere. When the air is expelled the float closes the vent, and the cycle repeats. Additionally, these valves help serve as a vacuum break when the system is drained. All vents are equipped with a manual shut-off. Models supplied with service check valves may be removed for service or replacement while the hydronic system is operating.

### Features and Benefits

#### Air Elimination

- ▶ Enhances occupant comfort
- ▶ Increases efficiency of hydronic systems
- ▶ Maintains quiet system operation
- ▶ Suitable for use with hot and cold-water systems

#### Compact Body Design

- ▶ Easy to install
- ▶ Removable float valve assembly for easy servicing
- ▶ Durable brass construction
- ▶ Non-ferrous, corrosion-resistant wetted parts

#### Service Check Valves supplied with 1/2" models

- ▶ Enables easy servicing without system shut down

### ▶ Technical Data

Max. Working Pressure: 150 psi (1034 kPa)

Max. Working Temperature: 248°F (120°C)

Min. Working Temperature: 15°F (-10°C)

### ▶ Materials of Construction

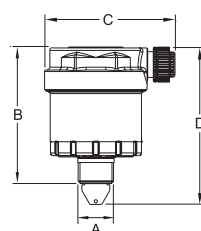
Body and Cover: Brass

Internal Components: Non-Ferrous

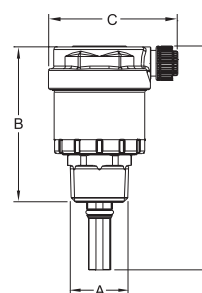
### ▶ Dimensions and Weights

Model	Description	A	B	C	D	Weight
AVA-013	Automatic Air Vent	1/8" NPT	2 1/16 (52)	1 7/8 (48)	2 1/4 (57)	0.20 (0.10)
AVA-025	w/Angled Discharge	1/4" NPT	2 1/16 (52)	1 7/8 (48)	2 1/4 (57)	0.20 (0.10)
AVA-038		3/8" NPT	2 1/16 (52)	1 7/8 (48)	2 1/4 (57)	0.20 (0.10)
AVA-050	Automatic Air Vent w/Angled Discharge and Service Check Valve	1/2" NPT	2 1/4 (57)	1 7/8 (48)	3 3/16 (81)	0.20 (0.10)
AVA-075	Automatic Air Vent w/Angled Discharge and M/F adapter	3/4" MPT 1/2" FPT	3 1/4 (83)	1 7/8 (48)	--	0.50 (0.28)
AVV-038	High Capacity Automatic Air Vent w/Vertical Discharge	3/8" NPT	2 15/16 (75)	1 7/8 (48)	3 1/4 (83)	0.35 (0.16)
AVV-050	High Capacity Automatic Air Vent w/Vertical Discharge and Service Check Valve	1/2" NPT	3 1/4 (83)	1 7/8 (48)	4 3/16 (106)	0.35 (0.16)
AVV-075	High Capacity Automatic Air Vent w/Vertical Discharge and M/F adapter	3/4" MPT 1/2" FPT	4 (100)	1 7/8 (48)	--	0.60 (0.22)

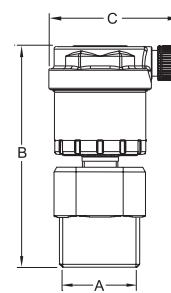
Note: All dimensions are in inches (mm) and weights in lbs. (kg)



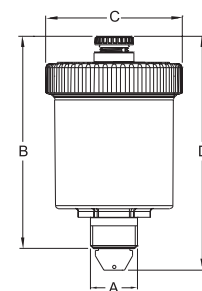
Models AVA  
-013, -025 & -038



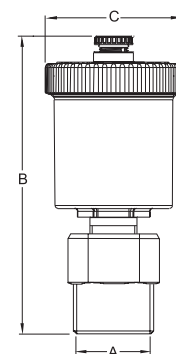
Model AVA-050  
w/Service Check Valve



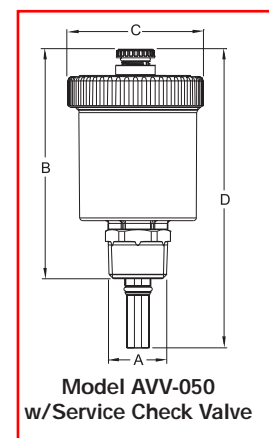
Model AVA-075



Model AVV-038



Model AVV-075



Model AVV-050  
w/Service Check Valve

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