

AUTOMATIC AIR VALVE

Stainless Steel

Model A71

BERMAD A71 is a high quality automatic air release valve that allows efficient release of air pockets from pressurized pipe lines. With its advanced design, this valve provides excellent protection against air accumulation with improved sealing in low pressure conditions.

Features & Benefits

- Efficient release of air pockets from pressurized pipelines.
- Dynamic Sealing: Prevents leakage under low pressure conditions (1.5 psi; 0.1 bar).
- Compact and simple structure with fully corrosion resistant internal parts: Lower maintenance and increased life span.
- Certified to drinking water standards: NSF/ANSI/CAN 61 and NSF/ANSI 372 (USA).
- Factory approval and Quality Control: Performance and specification tested and measured with specialized test bench, including vacuum pressure conditions.

Typical Applications

- Pipelines: Protection against air accumulation in high points and long horizontal lines.
- In proximity to control valves and water meters: Prevention of inaccurate pressure regulation and biased readings due to air existence in these devices.

Additional Features & Accessories

- The boss on the base can be tapped with a thread (code P) for pressure gauge connection, check point or test drain for air valve function.
- Service port (code P) fitted with 1/8"; DN3 plug for pressure gauge connection, check point or test drain for air valve function.

Inlet and Outlet Connections

- Inlets: Male threaded 3/4-1"; DN20-25
- Outlets: Sideways with female threaded for retrofitting drainage pipeline or check valve

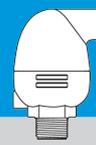
Operational Data

- Pressure Rating: 230 psi, 360 psi
- Minimum operating pressure: 1.5 psi
- Maximum operating pressure: 230 psi, 360 psi
- Media and operating temperature: Water, 33-140°F

Materials

- Body: Stainless Steel
- Automatic Orifice: Stainless Steel 316
- Float: Polypropylene
- Elastomers: EPDM



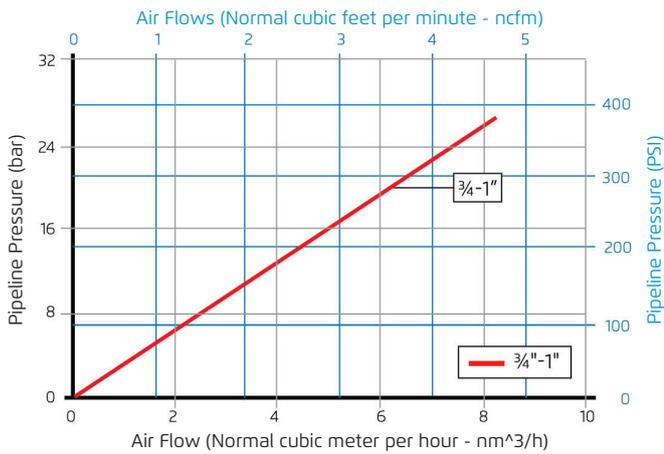


Orifice Specifications

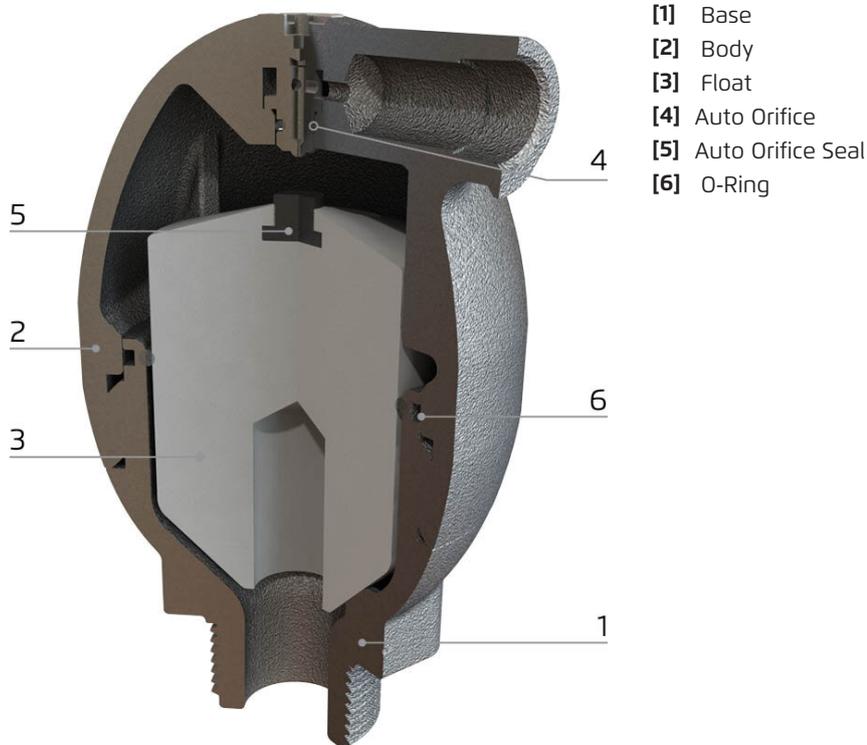
Inlet Sizes	Automatic Orifice Area	
	230 psi	360 psi
Inch; mm	Sq inch	Sq inch
¾"-1"; DN20-25	0.0009	0.0006

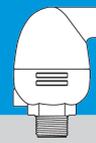
Air Flow Performance Charts

Air Release (Pressurized Operation)



Cutaway





A71

Dimensions & Weights

Inlet Sizes	Connection	Width (D)	Height (H)	Weight
in; mm		in	in	lbs
¾"-1"; DN20-25	Threaded	3.366	5.197	3.31

