



AUTOMATIC AIR VALVE

Glass Reinforced Nylon, PN10 / 150 PSI

Model A10

BERMAD A10 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, whose internal parts are fully corrosion, chemical and fertilizer resistant: Lower maintenance and increased life span.
- Factory approval and Quality Control: Performance and specification tested and measured with specialized test bench, including vacuum pressure conditions.



Typical Applications

- Irrigation and landscape control heads: Protection against air accumulation and vacuum formation at filtration and fertilization stations and downstream of main control valves.
- 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.
- Test point (code T).
- 90 degrees elbow: Snapped to the outlet, for 3/4"; DN20 connection to drainage pipeline.
- Female threaded (code 077, 017) 3/4"; DN20 outlet.

Inlet and Outlet Connections

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

Operational Data

- Pressure Rating: 150 or 175 psi
- Minimum operating pressure: 1.5 psi
- Maximum operating pressure: 150 or 175 psi
- Media and operating temperature: Water, 33-140°F

Materials

- Body: Glass-Reinforced Nylon
- Automatic Orifice: PBT
- Float: Polypropylene
- Elastomers: EPDM

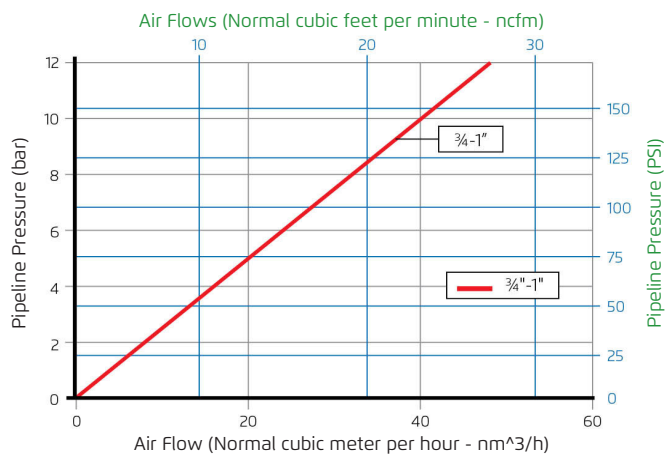


Orifice Specifications

Inlet Sizes	Automatic Orifice
	Area
Inch; mm	Sq inch
$\frac{3}{4}$ "-1"; DN20-25	0.014

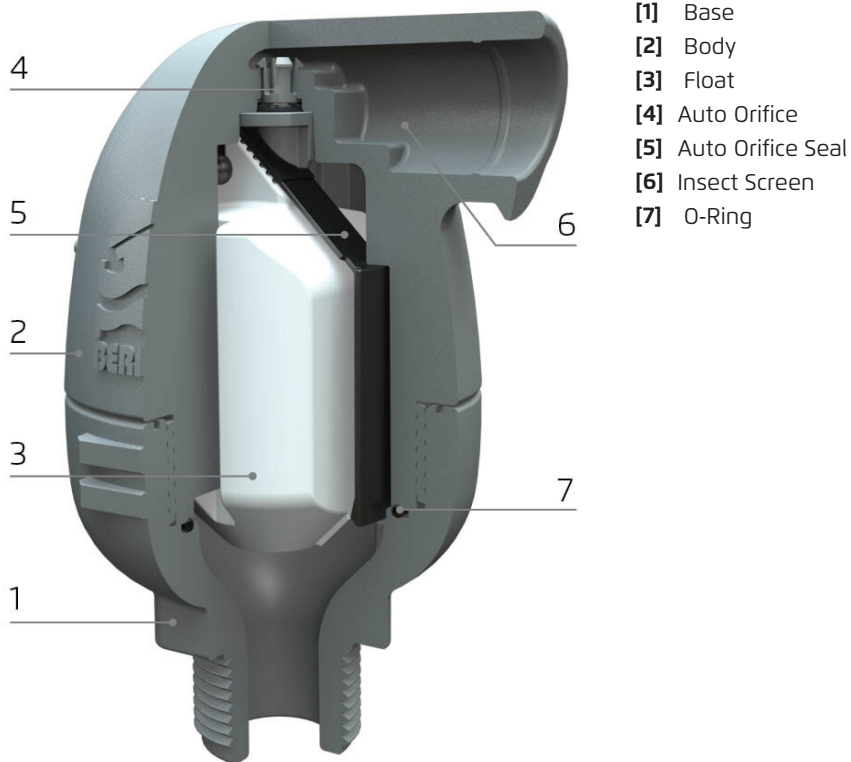
Air Flow Performance Charts

Air Release (Pressurized Operation)

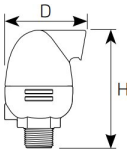


- For higher automatic air release capacity, Please consult with BERMAD.
- Air relief and intake charts are based on actual measurements, measured in Bermad Air Flow test bench, according to EN-1074/4 and AS4883 standard and refer to side outlet. Use Bermad Air software for optimized Sizing & Positioning of Air Valves.

Cutaway



Dimensions & Weights

		 A10		
Inlet Sizes	Connection	Width (D)	Height (H)	Weight
in; mm		in	in	lbs
3/4"-1"; DN20-25	Threaded	3.740	5.366	0.771