

AUTOMATIC AIR VALVE

Glass Reinforced Nylon, PN16 / 230 PSI

Model A30

BERMAD A30 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: WRAS (UK), ACS (France), NSF-ANSI-CAN 61 and NSF-ANSI 372 (USA), PUB SS 375 and SS 270 (Singapore).
- 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 $\frac{1}{8}$ " 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 $\frac{3}{4}$ " DN20 connection to drainage pipeline.
- Female threaded (code 077, 017) $\frac{3}{4}$ " DN20 outlet.

Inlet and Outlet Connections

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

Operational Data

- Pressure Rating: ISO PN16
- Minimum operating pressure: 0.1 bar
- Maximum operating pressure: 16 bar
- Media and operating temperature: Water, 1-60°C

Materials

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



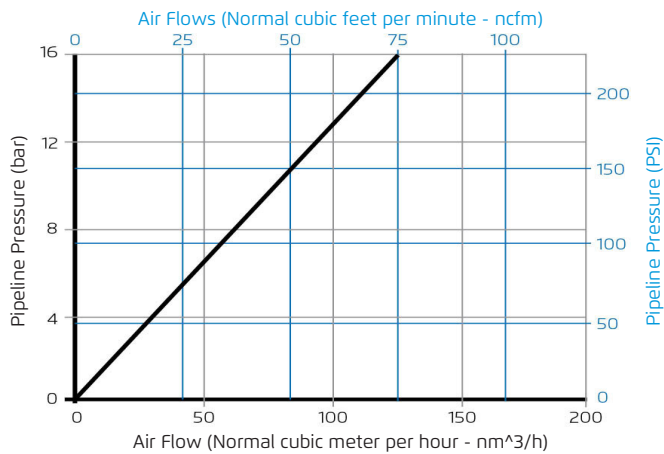


Orifice Specifications

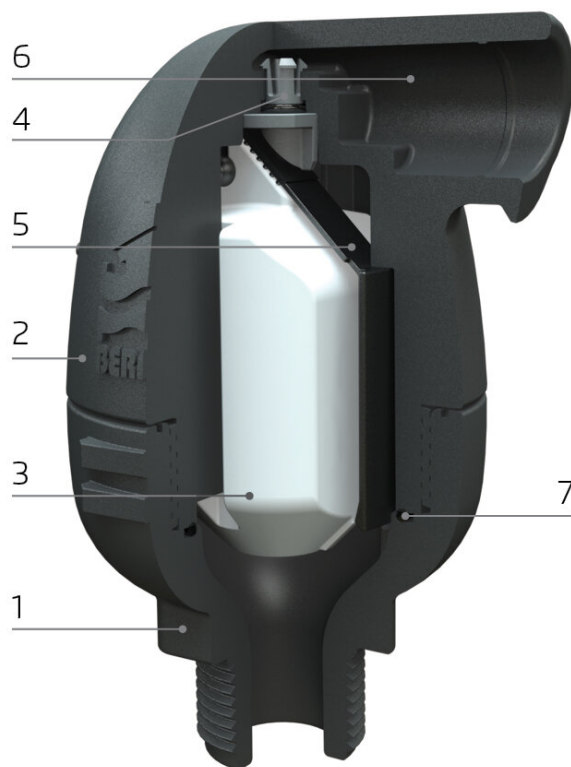
Inlet Sizes	Automatic Orifice
	Area
Inch; mm	Sq mm
3/4"-1"; DN20-25	9.6

Air Flow Performance Charts

Air Release (Pressurized Operation)



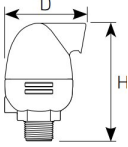
Cutaway



- [1] Base
- [2] Body
- [3] Float
- [4] Auto Orifice
- [5] Auto Orifice Seal
- [6] Insect Screen
- [7] O-Ring



Dimensions & Weights

				
		A30		
Inlet Sizes	Connection	Width (D)	Height (H)	Weight
in; mm		mm	mm	Kg
¾"-1"; DN20-25	Threaded	95	136.3	0.35