



AUTOMATIC AIR VALVE

Model A31

BERMAD A31 is a high quality automatic air release valve that allow 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

- Large diameter automatic orifice: High flow rates.
- Dynamic sealing: Prevents leakage under low pressure conditions 0.8 psi; 0.05 bar.
- Compact, simple and reliable structure with fully corrosion resistant parts: Lower maintenance and increased life span.
- Design in compliance with EN-1074 / 4 standard and water service standards.
- Factory approval and Quality Control: Performance and specification tested and measured with specialized test bench.

Additional Features & Accessories

- Service Port fitted with 1/8"; DN3 (code P) for pressure gauge connection, check point or test drain air valve function
- Test point (code T)

Inlet and Outlet Connections

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

Orifice Specifications

Inlet Sizes	Automatic Orifice Area
	A31
Inch	Sq inch
mm	Sq mm
3/4-1"	0.001
DN20-25	0.8

Typical Applications

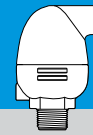
- Pipelines: Protection against air accumulation in high points and long horizontal lines.
- In proximity to control valves and water meters: Prevention of inaccurate pressure regulation and biased readings due to air existence in these devices.

Materials

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

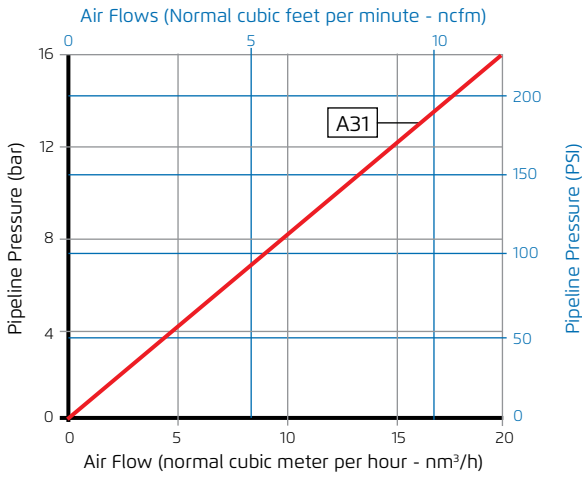
Operational Data

- Pressure Rating: 230 psi; ISO PN16
- Minimum operating pressure: 0.8 psi; 0.05 bar
- Maximum operating pressure: 230 psi; 16 bar
- Media and operating temperature: Water, 33-140°F; 1-60°C

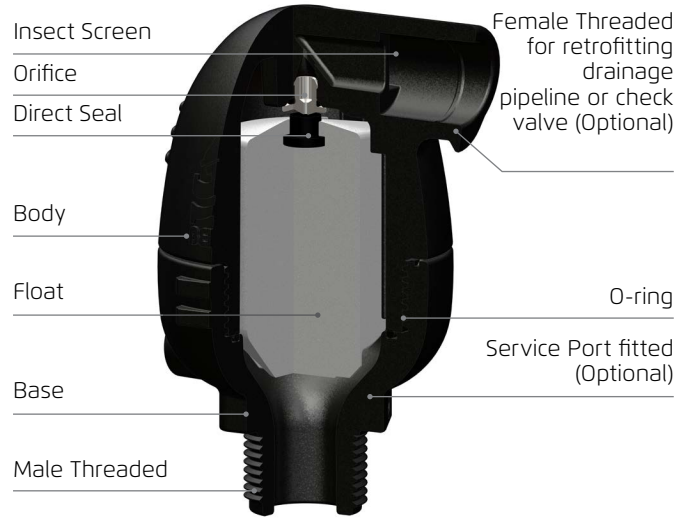


Air Flow Performance Charts

Air Release (Pressurized Operation)



Cutaway



Dimensions & Weights

Inlet Size		Connection		
inch	mm	Width (D)	Height (H)	Weight
3/4-1"	DN20-25	3.740	5.366	0.771
		95	136.3	0.35