



# AUTOMATIC AIR VALVE

## 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

- Large diameter automatic orifice: Higher flow rates.
- Dynamic sealing: Prevents leakage under low pressure conditions (1.5 psi; 0.1 bar).
- The boss on the base can be tapped with a thread for pressure gauge connection, check point or test drain for air valve function.
- Compact, simple and reliable structure whose 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.

### Additional Features & Accessories

- Service Port fitted with 1/8"; DN3 plug (code P)
- Test point (code T)

### Inlet and Outlet Connection

- Inlets: male threaded 3/4-1"; DN20-25
- Outlets: Sideways

### Orifice Specifications

Inlet Sizes	Automatic Orifice Area
inch	Sq inch
mm	Sq mm
3/4-1"	0.014
DN20-25	8.8

### Typical Applications

- Irrigation Control Heads: Protection against air accumulation at filtration and fertilization stations and downstream of main control valves.
- Infield Systems: Protection against air accumulation near water meters and automatic regulators.
- Landscape Irrigation: Protection against air accumulation.

### Materials

- Body: Glass-reinforced Nylon
- Float: Polypropylene
- Automatic orifice: PBT
- Elastomers: EPDM

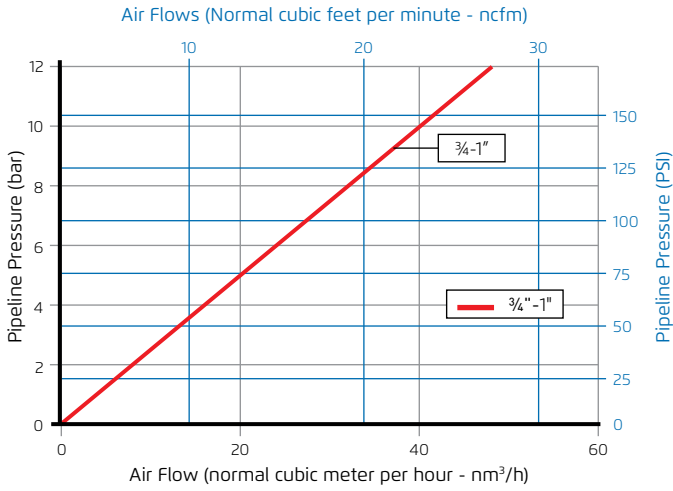
### Operational Data

- Pressure Rating: 175 psi; ISO PN10 or ISO PN12
- Minimum operating pressure: 1.5 psi; 0.1 bar
- Maximum operating pressure: 150 psi; 10 bar, 175 psi; 12 bar
- Media and operating temperature: Water, 33-140°F; 1-60°C

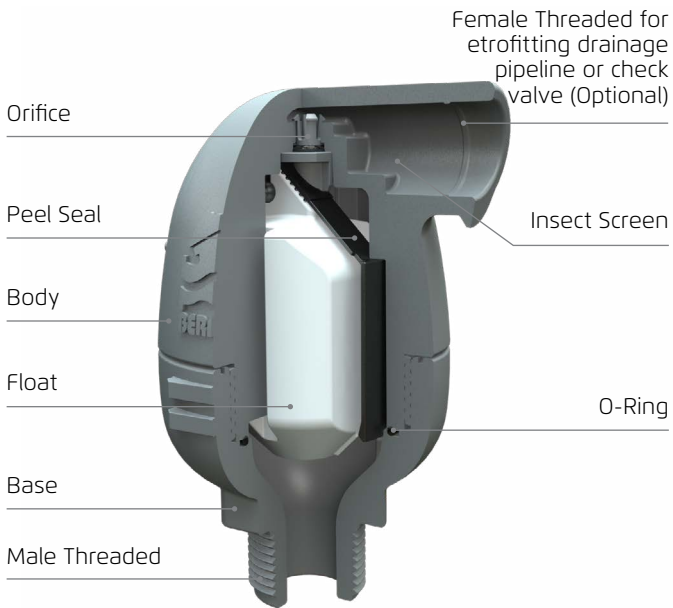


## Air Flow Performance Charts

### Air Release (Pressurized Operation)



## Cutaway



## Dimensions & Weights

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