



# VACUUM BREAKER

Acetal (POM), PN10 / 150 PSI

## Model ARV

BERMAD ARV is a vacuum breaker air valve for irrigation, designed to enable air intake and prevent the formation of negative pressure caused by line drainage. The ARV remains closed at positive pressure condition.

### Features & Benefits

- 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 from vacuum conditions.
- Add-On Air intake feature to control valves downstream for Gravity line & downhill irrigation systems.

### Inlet and Outlet Connections

- Inlets: Male threaded 1/2"; DN12

### Operational Data

- Pressure Rating: ISO PN10
- Minimum operating pressure: 0.1 bar
- Maximum operating pressure: 10 bar
- Media and operating temperature: Water, 1-50°C

### Orifice Specifications

Inlet Sizes	Kinetic Orifice	
	Diameter	Area
Inch; mm	mm	Sq mm
1/2"; DN12	9.8	75

### Materials

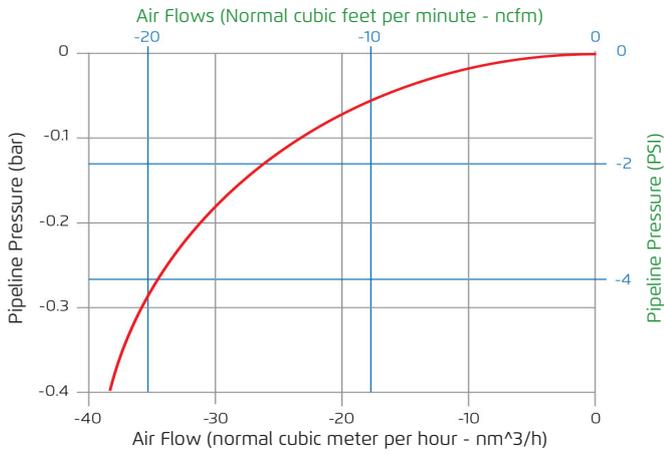
- Body: Acetal (POM)
- Float: Acetal (POM)
- Elastomers: NBR



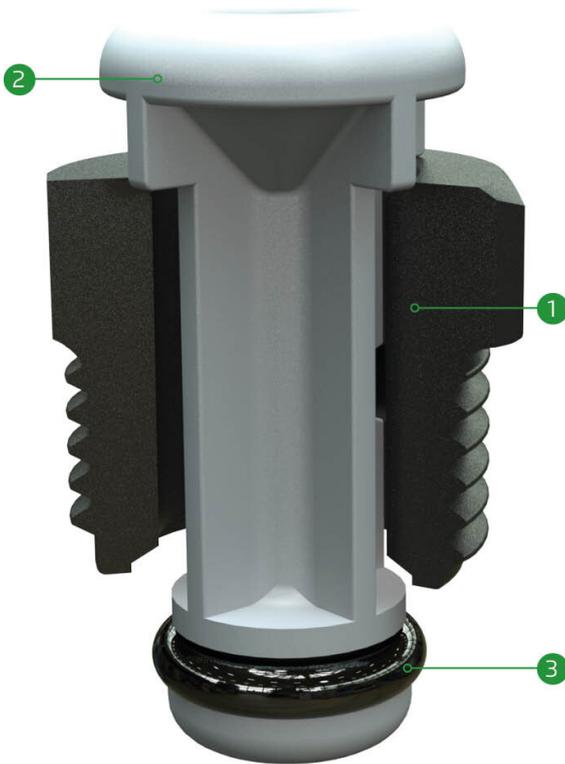


### Air Flow Performance Charts

Air Intake (Vacuum Conditions)



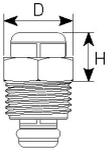
### Cutaway



- [1] Body
- [2] Float
- [3] O-Ring



### Dimensions & Weights

				
Inlet Sizes	Connection	Width (D)	Height (H)	Weight
in; mm		mm	mm	Kg
½"; DN12	Threaded	22	20	0.05

Height when installed