



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: 150 psi
- Minimum operating pressure: 1.5 psi
- Maximum operating pressure: 150 psi
- Media and operating temperature: Water, 33-120°F

Orifice Specifications

Inlet Sizes	Kinetic Orifice	
	Diameter	Area
Inch; mm	inch	Sq inch
1/2"; DN12	0.470	0.12

Materials

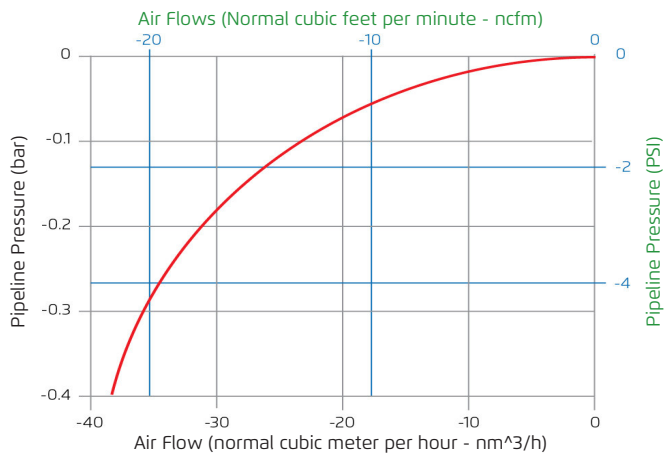
- Body: Acetal (POM)
- Float: Acetal (POM)
- Elastomers: NBR



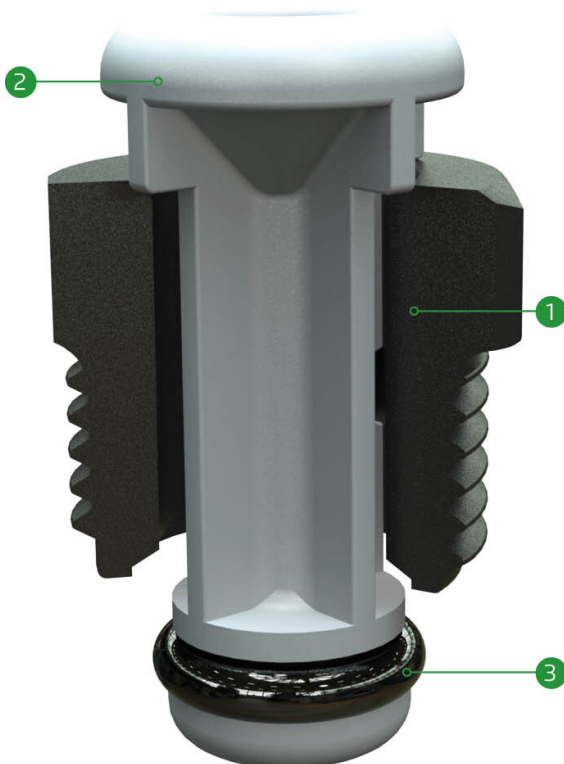


Air Flow Performance Charts

Air Intake (Vacuum Conditions)



Cutaway



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



Dimensions & Weights

		ARV		
Inlet Sizes	Connection	Width (D)	Height (H)	Weight
in; mm		in	in	lbs
½"; DN12	Threaded	0.866	0.787	0.11

Height when installed