

A.R.I. PVB-501



Irrigation

PVB – Pressure Vacuum Breaker


Description

A.R.I. PVB-501 Pressure Vacuum Breaker, is designed to protect against the back-siphonage of contaminated water into the potable water supply.

Installation

- Upstream of shut-off valves
- Upstream of water meters
- Upstream of water supply systems

Features and Benefits

Easily replaceable modular parts	Simple, quick and inexpensive maintenance, low-cost repair parts
Construction materials	UV resistant, non-corrosive, scale resistant and durable
Lightweight and compact	Easy and quick installation, fits in confined spaces
 NSF/ANSI 61 Certified & Listed	for Drinking Water System Component
NSF/ANSI 372 Certified & listed	for Lead-Free product
USC - Authorized and Approved	USC - FCCHR: Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

Technical Specifications

Size range	1/2" – 1"
Working pressure range	0.0 - 175 psi
Testing pressure	1.5 times maximum working pressure
Temperature	Working temperature range : 33° F - 120° F Max intermittent temperature: 140° F

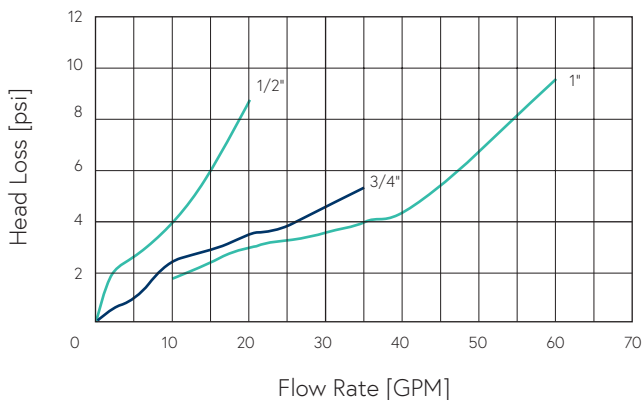
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

Valve Selection Options

Valve connection	Threaded NPT - ANSI B1.20.1
Standard materials	Reinforced Nylon
Pressure rating	175 psi

Head Loss

Air & Vacuum Flow Rate

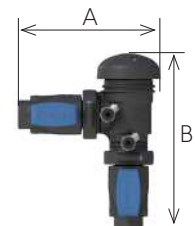


Dimensions and Weight

Size	Dimensions (Inch)				Weight (Lb.)
	max. A	B	C	D	
1/2"	9.92	6.50	6.77	8.11	2.14
3/4"	9.92	6.50	6.77	8.11	2.12
1"	10.59	7.56	7.44	8.82	2.43

NOTE

Dimension A in the picture and in the table shows the maximum product width. All product weights are approximate, due to the differences in flange standards, materials and variable accessories.



Parts List and Specifications

No.	Part	Material
1	Cover Assembly	
1a	Bolts	Stainless Steel 304
1b	Cover	Polypropylene
2	Vent Assembly	
2a	Seat	Reinforced Nylon
2b	Piston	Acetal
2c	Sleeve	Stainless Steel 302
2d	Plug	Acetal
2e	Spring	Stainless Steel 302
3	Check Valve Assembly	
3a	Seat	Acetal
3b	Seal	EPDM
3c	O-Ring	NBR
3d	Spring	Stainless Steel 302
3e	Piston	Acetal
4	Body Assembly	
4a	Body	Reinforced Nylon
4b	Test Cock	Brass
4c	Band	Reinforced Nylon
4d	Bolts	Stainless Steel 304
5	Ball Valve Assembly	
5a	O-ring	NBR
5b	Ball Valve	Reinforced Nylon

