

A.R.I. PVB-501



Waterworks

PVB – Pressure Vacuum Breaker

Description

A.R.I. PVB-501 Pressure Vacuum Breaker is designed to protect against the back-siphon 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
UV resistant polymers and reinforced materials	corrosion and scale resistant, long working life
Lightweight and compact	easy and quick installation, fits in confined spaces
Lead-free	complies with all local ordinances for no-lead products
NSF/ANSI 61 Certified & Listed	for Drinking Water System Component
NSF/ANSI 372 Certified & listed	for Lead-Free product
Authorized by FCCCHR	Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California

Technical Specifications

Size range	1/2" - 1"
Sealing pressure range	A.R.I. PVB-501 0.0 - 175 psi
Testing pressure	1.5 times maximum working pressure
Temperature	Maximum working temperature: 140° F Maximum intermittent temperature: 194° F

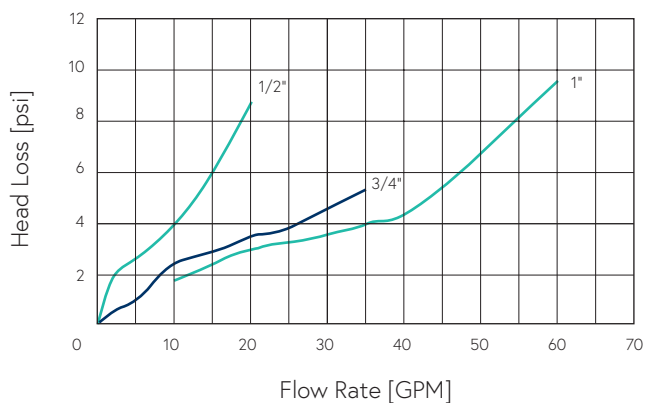
Upon ordering, please specify: model, size, working pressure, thread/flange standard and type of liquid

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



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

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.

