

PBV4A & PVBLF4A

Pressure Vacuum Breaker

SUBMITTAL SHEET

"Apollo" Flow Controls



| | |
|------------------|--|
| Job Name: | |
| Job Location: | |
| Engineer: | |
| Contractor: | |
| Tag: | |
| PO#: | |
| Rep: | |
| Wholesale Dist.: | |

DESCRIPTION

The Apollo® Model PVB4A and PVBLF4A Pressure Vacuum Breaker A Series prevents contamination of the potable water supply due to back-siphonage. A standard integral freeze protection relief valve serves to reduce the possibility of damage due to intermittent freezing conditions. The modular check valve cartridge provides a captured spring, a replaceable seat, and a reversible silicone seat disc. This assembly features ball valve shutoffs with stainless steel handles and nuts as standard.

FEATURES

- Low pressure loss documented by independent approval agencies
- Built-in freeze resistance feature standard
- Easily removable modular check valve cartridge
- Captured stainless steel springs
- Ball valve shutoffs w/ SS handles & nuts standard
- Test cocks located for easy draining
- Corrosion resistant
- No special tools required
- Unique canopy detachment
- Vertical up / Horizontal installation

PERFORMANCE RATING

- Maximum Operating Pressure: 150 psi
- Temperature Range: 33 °F - 140 °F

APPROVALS

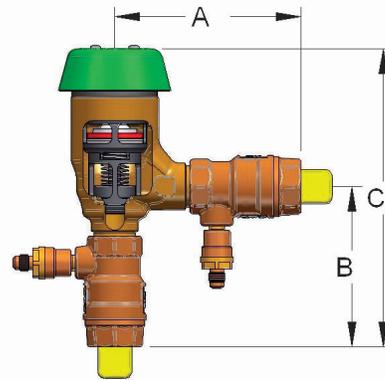
- ASSE 1020
- CSA B.64.1.2
- IAPMO
- Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California (1/2" - 2" non-lead free only)

STANDARD MATERIALS LIST

| | |
|-------------------------|------------------------------------|
| Body | Bronze C84400 or C89836 Lead Free* |
| Ball Valves, Test cocks | Bronze C84400 or C87800 Lead Free* |
| Canopy | UV-Resistant ABS |
| Bonnet | Glass-Filled PPO |
| Check Valve Cartridge | Glass-Filled PPO |
| Springs | Stainless Steel |
| Seat Discs | Chloramine-resistant Silicone |
| Float | Glass-Filled Polypropylene |
| O-rings | Chloramine-resistant EPDM |

DIMENSIONS

| FACTORY NUMBER | SIZE (IN.) | DIMENSIONS (IN.) | | | WT. (LBS.) |
|----------------|------------|------------------|-------|--------|------------|
| | | A | B | C | |
| 4A503A2F | 1/2" | 4-1/2 | 3-3/4 | 7-1/4 | 2.9 |
| 4A504A2F | 3/4" | 4-3/4 | 4-1/8 | 7-5/8 | 3.0 |
| 4A505A2F | 1" | 5-3/8 | 4-5/8 | 8-3/8 | 4.2 |
| 4A506A2F | 1-1/4" | 7 | 5-1/4 | 9-7/8 | 4.4 |
| 4A507A2F | 1-1/2" | 7-1/4 | 5-5/8 | 10-1/8 | 7.3 |
| 4A508A2F | 2" | 8-1/2 | 6-3/8 | 11-1/2 | 8.9 |



PART NUMBER MATRIX

| 4A [XX] | 50 X | XX | F |
|---|--|---|--|
| | SIZE | SHUT-OFF VALVES | |
| 4A = Non-Lead Free 4ALF = Lead Free* (3/4" - 1") | 3 = 1/2" 4 = 3/4" 5 = 1" 6 = 1-1/4" 7 = 1-1/2" 8 = 2" | A2 = w/ball valves (Standard) A4 = w/union end ball valves | Blank = NPT testcocks F = SAE testcocks |

*LEAD FREE: The wetted surfaces of this product shall contain no more than 0.25% lead by weighted average. Complies with Federal Public Law III-380. ANSI 3rd party approved and listed.

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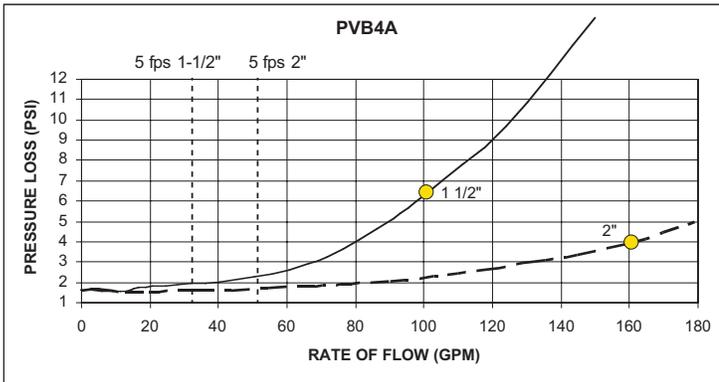
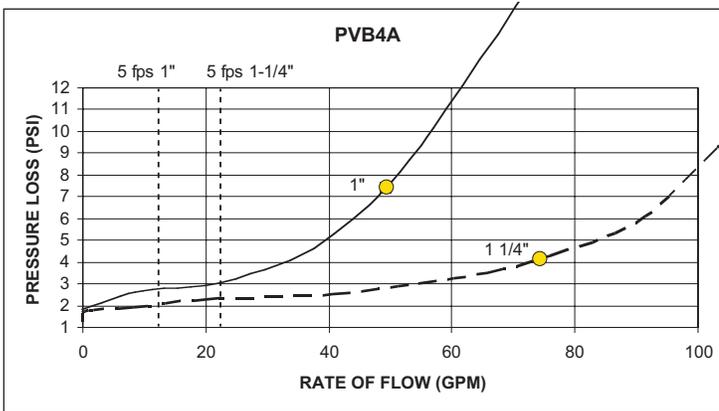
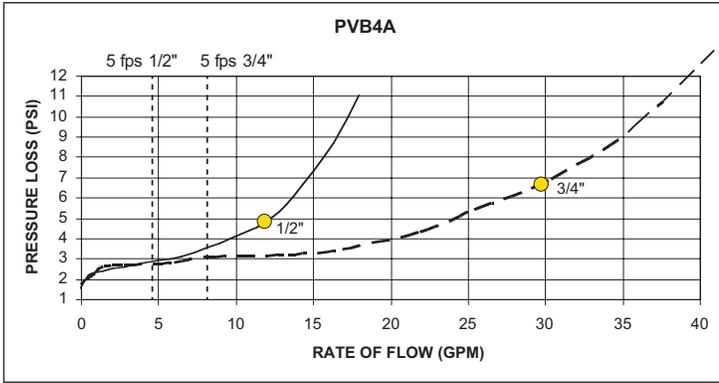
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FLOW CURVES



- Meter Rated Flow as determined by approval agencies, 7.5 ft/sec is the typical maximum Plumbing system flow rate.

Curves developed from independent approval agencies actual tests - Consult factory for details.