

# Zurn Wilkins PVB Assemblies

## Industry-leading Protection Designed For Your Application

Zurn Wilkins Pressure Vacuum Breaker Assemblies help protect potable water from high-hazard contamination when backsiphonage occurs.

Not only will you minimize risk of cross-contamination, you optimize space, costs, and time through its proven performance.

Zurn engineers have balanced a compact, lightweight design with heavy-duty construction and easy access to speed up replacements and install, while cutting down on maintenance tasks overall.

Residential or commercial, outdoor or indoor, potable or non-potable, you can find the right PVB solution to fit your application demands.



## Full Portfolio, Full Compliance

ASSE Listed, IAPMO Listed, Approved by the Foundation for Cross-Connection Control and Hydraulic Research at the University of Southern California

|   |       | SIZE OPTIONS                                 | BACKSIPHONAGE PROTECTION | FREEZE RESISTANCE | LEAD FREE | HIGH HAZARD | SPILL RESISTANCE |
|---|-------|--|--------------------------|-------------------|-----------|-------------|------------------|
|  | 710   | 3/4"<br>1"                                   | ✓                        | —                 | —         | ✓           | —                |
|  | 720A  | 1/2"<br>3/4"<br>1"<br>1 1/4"<br>1 1/2"<br>2" | ✓                        | —                 | —         | ✓           | —                |
|  | 420XL | 3/4"<br>1"                                   | ✓                        | ✓                 | ✓         | ✓           | —                |
|  | 460XL | 3/8"<br>1/2"<br>1"                           | ✓                        | —                 | ✓         | ✓           | ✓                |



**710**  
Pressure Vacuum  
Breaker

- Available in 3/4" and 1" sizes
- Industry leading high-hazard protection to prevent cross-contamination
- Designed for residential and light commercial irrigation systems
- Lightweight, compact body simplifies installs, even in the tightest spaces
- Corrosion-resistant bronze construction withstands wear and extends life
- Fewer parts and easy access reduce maintenance steps and costs
- Universal low-cost repair kits work for both 3/4" and 1" assemblies



**720A**  
Pressure Vacuum  
Breaker

- Available in 1/2", 3/4", 1", 1 1/4", 1 1/2" and 2" sizes
- Industry leading high-hazard protection to prevent cross-contamination
- Time tested design accommodates all sizes of residential and commercial irrigation systems
- All bronze bonnet design provides extra strength to withstand light freezes
- Employs the best PVB check valve available to maintain top backflow protection
- Test cocks on center line of valve ensure installation versatility



**420XL**  
Freeze Resistant  
Pressure Vacuum  
Breaker

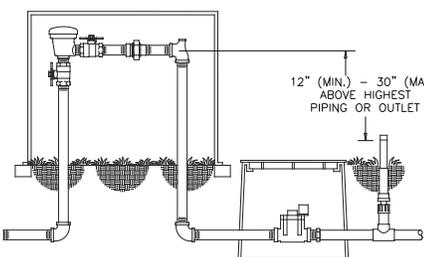
- Available in 3/4" and 1" sizes
- Industry leading high-hazard protection to prevent cross-contamination
- Lead-Free cast bronze body and stainless steel springs resist corrosion and meet the requirements of NSF/ANSI 61
- Designed for residential and commercial irrigation applications
- Integral internal freeze resistant relief valve can aide in protecting against seasonal freezing conditions
- Modular internal components help reduce repair time and cost



**460XL**  
Spill Resistant  
Pressure Vacuum  
Breaker

- Available in 3/8", 1/2" and 1" sizes
- Industry leading high-hazard protection to prevent cross-contamination
- Lead-Free cast bronze body and stainless steel springs resist corrosion and meet the requirements of NSF/ANSI 61
- Accommodates both indoor and outdoor installations under constant pressure
- Internal diaphragm adequately seals bonnet from water supply preventing spillage on startup
- Modular internal components help reduce repair time and cost

## Once you make your selection, follow these installation tips.



1. Install at least 12" (min) to 30" (max) above the highest piping or water outlet downstream of the PVB. This installation limitation must be considered, and careful measurements are required to comply with local codes.
2. Install with adequate drain and sufficient side clearance for testing and maintenance and installation shall be made so that no part of the unit can be submerged.
3. A pressure vacuum breaker cannot be installed where back-pressure could occur or where spillage of water from vent could cause damage.
4. You may require a Reduced Pressure Principle Assembly (RP) if any apply:
  - Property elevation
  - Hanging baskets
  - Elevated planters/potted plants
  - Large potted plants
  - Misting devices
  - Decks with planters