WILKINS a Zurn company

Model 475/475V
Reduced Pressure Principle Assembly

SPECIFICATION SUBMITTAL SHEET

FEATURES
Sizes: 2 1/2" 3"
Maximum working water pressure 175 PSI
Maximum working water temperature 140°F
Hydrostatic test pressure 350 PSI
End connections (Grooved for steel pipe) AWWA C606-87 (Flanged) ANSI B16.1

OPTIONS (Suffixes can be combined)
- with NRS shut-off valves (standard)
- FS - with cast iron wye type strainer (flanged only)
- FSC - with epoxy coated wye type strainer (flanged only)
- G - with groove end gate valves
- FG - with flanged inlet gate connection and grooved outlet gate connection
- L - less shut-off valves (flanged body connections)
- OSY - with OS & Y gate valves
- MS - with Integral Relief Valve Monitor Switch
- V - vertical flow up configuration

APPLICATION
Designed for installation on potable water lines to protect against both backsiphonage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists. The Model 475 is for applications requiring vertical flow up and vertical flow down. The Model 475V is for applications requiring vertical flow up. Ideal for use where lead-free* valves are required.

STANDARDS COMPLIANCE
- ASSE® Listed 1013
- AWWA Compliant C511
- CSA® Certified
- IAPMO® Listed
- UL® Classified
- C-UL® Classified
- FM® Approved
- NYC MEA 468-99-M VOL 4
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- NSF® Listed-Standard 61, Annex G*
  *(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

MATERIALS
Main valve body Ductile Iron ASTM A 536 Grade 4
Access covers Ductile Iron ASTM A 536 Grade 4
Coatings FDA Approved fusion epoxy finish
Internals Stainless steel, 300 Series
Fasteners Stainless Steel, 300 Series
Elastomers EPDM (FDA approved)
Polymers NORYL™, NSF Listed
Springs Stainless steel, 300 series
Sensing line Stainless steel, braided hose

DIMENSIONS & WEIGHTS (do not include pkg.)

<table>
<thead>
<tr>
<th>MODEL SIZE</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>F</th>
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<td>21 1/2</td>
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<td>18 7/8</td>
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FLOOR CHARACTERISTICS
MODEL 475 & 475V 2 1/2" & 3" (STANDARD & METRIC)

TYPICAL INSTALLATION
Local codes shall govern installation requirements. To be installed in accordance with the manufacturers’ instructions and the latest edition of the Uniform Plumbing Code. Unless otherwise specified, the assembly shall be mounted at a minimum of 12" (305mm) and a maximum of 30" (762mm) above adequate drains with sufficient side clearance for testing and maintenance. The installation shall be made so that no part of the unit can be submerged.

SPECIFICATIONS
The Reduced Pressure Principle Backflow Preventer shall be ASSE® Listed 1013, and supplied with full port gate valves. The main body and access covers shall be epoxy coated ductile iron (ASTM A 536 Grade 4), the seat ring and check valve shall be NORYL™, the stem shall be stainless steel (ASTM A 276) and the seat disc elastomers shall be EPDM. Center stem guided design shall incorporate two torsion springs to bias the check in the closed position. The first and second checks shall be accessible for maintenance without removing the relief valve or the entire device from the line. If installed indoors, the installation shall be supplied with an air gap adapter. The Reduced Pressure Principle Backflow Preventer shall be a WILKINS Model 475 or 475V.