Model 975XL2  
Reduced Pressure Principle  
Backflow Prevention Assembly

**Application**
Ideal for use where Lead-Free* valves are required. Designed for installation on potable water lines to protect against both backsp Kensington and backpressure of contaminated water into the potable water supply. The Model 975XL2 provides protection where a potential health hazard exists.

**Standards Compliance**
- ASSE® Listed 1013
- IAPMO® Listed
- CSA® Certified B64.4
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Certified to NSF/ANSI 372* by IAPMO R&T
- NSF® Listed-Standard 61, Annex G

*0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT

**Options**
(Suffixes can be combined)
- /boxopen - with full port QT ball valves (standard)
- S - with Model SXL lead free bronze "Y" type strainer (1/2" only)
- FT - with integral male 45° flare SAE test fitting
- TCU - with test cocks up

**Materials**
- Main valve body: Cast Bronze ASTM B 584
- Access covers: Cast Bronze ASTM B 584
- Fasteners: Stainless Steel, 300 Series
- Elastomers: Silicone (FDA Approved), Buna Nitrile (FDA Approved)
- Polymers: Noryl™, NSF Listed
- Springs: Stainless Steel, 300 series

**Features**
- Sizes: 1/4", 3/8", 1/2"
- Maximum working water pressure: 175 PSI
- Maximum working water temperature: 180°F
- Hydrostatic test pressure: 350 PSI
- End connections: Threaded ANSI B1.20.1

**Accessories**
- Air gap (Model AG)
- Repair kits (rubber only)
- Thermal expansion tank (Mdl. XT)
- Soft seated check valve (Model 40XL2)
- Shock arrester (Model 1250XL)
- QT-SET Quick Test Fitting Set

**Dimensions & Weights (do not include pkg.)**

<table>
<thead>
<tr>
<th>MODEL SIZE</th>
<th>DIMENSIONS (approximate)</th>
<th>WEIGHT WITH BALL VALVES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>in.</td>
<td>mm</td>
<td>in.</td>
</tr>
<tr>
<td>1/4</td>
<td>8</td>
<td>9 1/2</td>
</tr>
<tr>
<td>3/8</td>
<td>10</td>
<td>10 3/4</td>
</tr>
<tr>
<td>1/2</td>
<td>15</td>
<td>10</td>
</tr>
</tbody>
</table>

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Page 1 of 2
Flow Characteristics

MODEL 975XL2 1/4", 3/8" & 1/2" (STANDARD & METRIC)

FLOW RATES (l/s)

FLOW RATES (GPM)

PRESSURE LOSS (PSIG)

PRESSURE LOSS (kpa)

FLOW RATES (l/s)

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 or where relief valve discharge could cause damage.

INDOOR INSTALLATION

Specifications
The Reduced Pressure Principle Backflow Preventer shall be certified to NSF/ANSI 372 shall be ASSE® Listed 1013, rated to 180° F, and supplied with full port ball valves. The main body and access covers shall be low lead bronze (ASTM B 584), the seat ring and all internal polymers shall be NSF® Listed Noryl™ and the seat disc elastomers shall be silicone. The checks shall be oriented at a 45° angle upward and 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 and “Y” type strainer. The Reduced Pressure Principle Backflow Preventer shall be a ZURN WILKINS Model 975XL2.

<table>
<thead>
<tr>
<th>Pipe size</th>
<th>Capacity thru Schedule 40 Pipe</th>
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<tbody>
<tr>
<td></td>
<td>5 ft/sec</td>
</tr>
<tr>
<td>1/8&quot;</td>
<td>1</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>2</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>3</td>
</tr>
<tr>
<td>1/2&quot;</td>
<td>5</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>8</td>
</tr>
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<td>1&quot;</td>
<td>13</td>
</tr>
<tr>
<td>1 1/4&quot;</td>
<td>23</td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td>32</td>
</tr>
<tr>
<td>2&quot;</td>
<td>52</td>
</tr>
</tbody>
</table>
Model 975XL2
Reduced Pressure Principle Assembly

Application
Ideal for use where Lead-Free® valves are required. Designed for installation on potable water lines to protect against both backspionage and backpressure of contaminated water into the potable water supply. Assembly shall provide protection where a potential health hazard exists.

Standards Compliance
- ASSE® Listed 1013
- IAPMO® Listed
- CSA® Certified B64.4
- AWWA compliant CS11
- Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California
- Certified to NSF/ANSI 372® by IAPMO R&T
- NSF® Listed—Standard 61, Annex G®
*0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT

Materials
Main valve body Cast Bronze ASTM B 584
Access covers Cast Bronze ASTM B 584
Fasteners Stainless Steel, 300 Series
Elastomers Silicone (FDA Approved)
Buna Nitrile (FDA Approved)
Polymers Noryl™, NSF Listed
Springs Stainless Steel, 300 series

Features
Sizes: 3/4", 1", 1-1/4", 1-1/2", 2"
Maximum working water pressure 175 PSI
Maximum working water temperature 180°F
Hydrostatic test pressure 350 PSI
End connections Threaded ANSI B1.20.1

Relief Valve discharge port:
3/4" - 1" - 0.63 sq. in.
1 1/4" - 2" - 1.19 sq. in.

Dimensions & Weights (do not include pkg.)

<table>
<thead>
<tr>
<th>MODEL SIZE</th>
<th>DIMENSIONS (approximate)</th>
<th>WITH BALL VALVES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>3/4 20</td>
<td>12</td>
<td>305</td>
</tr>
<tr>
<td>1 25</td>
<td>13</td>
<td>330</td>
</tr>
<tr>
<td>1 1/4 32</td>
<td>17</td>
<td>432</td>
</tr>
<tr>
<td>1 1/2 40</td>
<td>17 3/8</td>
<td>441</td>
</tr>
<tr>
<td>2 50</td>
<td>18 1/2</td>
<td>470</td>
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Rev. D
Date: 6/14
Document No. BF-975XL2(LG)
Product No. Model 975XL2(LG)
Flow Characteristics

Typical Installation
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Specifications
The Reduced Pressure Principle Backflow Preventer shall be certified to NSF/ANSI 372 shall be ASSE® Listed 1013, rated to 180°F, and supplied with full port ball valves. The main body and access covers shall be low lead bronze (ASTM B 584), the seat ring and all internal polymers shall be NSF® Listed Noryl™ and the seat disc elastomers shall be silicone. 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 and integral monitor switch. The Reduced Pressure Principle Backflow Preventer shall be a ZURN WILKINS Model 975XL2.