Stainless Steel
The Next Generation of Backflow
Zurn Wilkins Stainless Steel Backflow Preventer

Preferred by Certified Backflow Technicians

Superior Quality, Technologically Advanced

350 Double Check Assembly
2-1/2" - 10"

- Low-hazard applications
- Horizontal or vertical installations
- ASSE 1015, AWWA C-510, FM, UL, CUL, CSA B64.5, USC

Model 350ASTOSY Shown

350 Double Check Detector Assembly
2-1/2" - 10"

- Low-hazard fire protection applications
- Horizontal or vertical installations
- ASSE 1048, AWWA C-510, FM, UL, CUL, CSA B64.5.1, USC

Model 350ASTDABF Shown

a. 304L grade stainless steel body available in grooved or flanged end shut-off valve configurations
b. Shorter lay length can fit in any new or existing installation
c. New Check Reinforcement Ring, providing torsional strength, rigidity, and consistency on grooved weld
d. Patented center-stem-guided Compound Check with standardized repair parts compatible with legacy models
e. Relief valve sensing port located away from debris path, reducing risk of fouling
f. Test cocks can be located on either side of valve
g. Industry standard grooved couplings used throughout
h. Shut-offs available as NRS, PIV, OS&Y gate valves, and butterfly valves
i. Stainless Steel Stems on OS&Y Gates
j. Available with Flanged Butterfly Valves
300AST Series Accessories and Options

300 Series Features
Sizes: 2-1/2", 3", 4", 6", 8", 10"
Maximum working water pressure 175 PSI
Maximum working water temperature 140˚
Hydrostatic test pressure 350 PSI
End connections
(Grooved for steel pipe) AWWAC606
(Flanged) ANSI B16.1 Class 125

Integral Relief Valve Monitor Switch Option
• In the event of a backflow condition, the relief valve closes an electrical contact on the MS switch, signaling that a possible relief valve discharge may be occurring
• This option is ideal for use in mechanical rooms, basements and enclosures where undetected relief valve discharge could potentially cause water damage
• Can be connected to a central alarm panel
• May be used with Zurn Wilkins EST and ZW206

Options
(Suffixes can be combined)
☐ - with flanged end NRS gate valves (standard)
☐ FSC - with epoxy coated wye type strainer (flanged only)
☐ G - with grooved end NRS gate valves
☐ GF - with grooved inlet gate connection and flanged outlet gate connection
☐ FG - with flanged inlet gate connection and grooved outlet gate connection
☐ MS - with Integral Relief Valve Monitor Switch
☐ OSY - with flanged end OS&Y gate valves
☐ OSYG - with grooved end OS&Y gate valves
☐ BG - with grooved end butterfly valves with integral supervisory switches
☐ BF - with flanged end butterfly valves with integral supervisory switches
☐ PI - with post indicator gate valves

Accessories
☐ Repair kit (rubber only)
☐ Thermal expansion tank (Model XT)
☐ OS & Y Gate valve tamper switch (OSY-40)
☐ Air gap (Model AG)
☐ Electronic Solenoid Timer (Model EST)
☐ QT-SET Quick Test Fitting Set
☐ Wye Strainers (Model FSC)

Five-year stainless steel body warranty*
• Time tested, most reliable backflow components
• Sustainable solution to ensure safe drinking water
• Ultimate in liability protection

Lowest total life-cycle cost, providing facility management budget savings
• Simple, easy maintenance requires less labor
• Low cost repair kits

Enhanced flow performance, curves available on Zurn.com
* Warranty covers workmanship and materials on the body only

Proven, Patented Compound Check
• Provides a mechanical “assist” resulting in very low pressure loss
• Center stem guided to ensure no backflow
• Reversible, replacement seat discs allow minimum down time and minimum repair costs
300AR Series Backflow Preventer

300AST Series is also available as the Patented AR Series,
Custom Length Assembly Replacement
Save time and money during a backflow replacement

Features and Benefits
- Custom manufactured assembly to virtually any given length, allowing for drop in replacement of any legacy or competitive valve on the market
- Simple replacement without the need for spool fabrication
- Just measure the current flange face-to-face dimension and your 300AR will be built to match the current footprint
- Shut-offs remain in the same location, enabling tamper switches to be reinstalled without modifying electrical wiring
- Zurn Wilkins is the only manufacturer that offers this patented solution, US Patent No. 8,997,772

### 350 Double Check Detector Assembly
2-1/2" - 10"
- Low-hazard applications
- ASSE 1048, AWWA C-510, FM, UL, CUL, CSA B64.5.1, USC

Model 350ASTDARBF shown

### 375 Reduced Pressure Detector Assembly
2-1/2" - 10"
- High-hazard fire protection applications
- ASSE 1047, CSA B64.4.1, FM, UL, CUL, USC

Model 375ASTDARBG shown

### Minimum Face to Face Dimension (overall lay length)
<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Ductile Iron Body</th>
<th>Stainless Steel Body*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1/2&quot;</td>
<td>37-1/8&quot;</td>
<td>35&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>38-1/8&quot;</td>
<td>36-1/8&quot;</td>
</tr>
<tr>
<td>4&quot;</td>
<td>40-1/2&quot;</td>
<td>37-3/8&quot;</td>
</tr>
<tr>
<td>6&quot;</td>
<td>49-1/2&quot;</td>
<td>46&quot;</td>
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<tr>
<td>8&quot;</td>
<td>64-7/8&quot;</td>
<td>55-3/4&quot;</td>
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<tr>
<td>10&quot;</td>
<td>67-3/8&quot;</td>
<td>58-5/8&quot;</td>
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### Maximum Lengths
<table>
<thead>
<tr>
<th>Valve Size</th>
<th>Length Range &quot;A&quot;</th>
<th>Length Range &quot;B&quot;</th>
<th>Length Range &quot;C&quot;</th>
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</thead>
<tbody>
<tr>
<td>2-1/2&quot;</td>
<td>47-1/8&quot;</td>
<td>62-1/4&quot;</td>
<td>89&quot;</td>
</tr>
<tr>
<td>3&quot;</td>
<td>48-1/8&quot;</td>
<td>71-1/4&quot;</td>
<td>96&quot;</td>
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<td>86&quot;</td>
<td></td>
</tr>
<tr>
<td>6&quot;</td>
<td>59&quot;</td>
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<td>8&quot;</td>
<td>74&quot;</td>
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<tr>
<td>10&quot;</td>
<td>77&quot;</td>
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</tbody>
</table>

Custom lengths longer than shown are available
* Stainless steel backflow body is slightly shorter than ductile iron body
350 Double Check Assembly (350AST) and 350 Double Check Detector Assembly (350ASTDA)
375 Reduced Pressure Assembly (375AST) and
375 Reduced Pressure Detector Assembly (375ASTDA)

375AST & ASTDA DIMENSIONS

<table>
<thead>
<tr>
<th>SIZE</th>
<th>A (mm)</th>
<th>A (in.)</th>
<th>B (mm)</th>
<th>B (in.)</th>
<th>C (mm)</th>
<th>C (in.)</th>
<th>D (mm)</th>
<th>D (in.)</th>
<th>E (mm)</th>
<th>F (mm)</th>
<th>F (in.)</th>
<th>G (mm)</th>
<th>G (in.)</th>
<th>H (mm)</th>
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<tr>
<td>2</td>
<td>50.8</td>
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<td>25.4</td>
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<td>12.7</td>
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<td>56.7</td>
<td>2.24</td>
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<td>101.6</td>
<td>4.00</td>
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<td>2.51</td>
<td>22.8</td>
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<td>0.85</td>
<td>57.1</td>
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<tr>
<td>5</td>
<td>127.0</td>
<td>5.00</td>
<td>57.1</td>
<td>2.24</td>
<td>26.7</td>
<td>1.06</td>
<td>70.1</td>
<td>2.78</td>
<td>26.0</td>
<td>1.03</td>
<td>26.7</td>
<td>1.06</td>
<td>62.7</td>
<td>2.48</td>
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MODEL 375AST 2 1/2", 3" & 4" (STANDARD & METRIC)

FLOW RATES (l/s)

FLOW RATES (GPM)

PRESSURE LOSS (kPa)

MODEL 375AST 6", 8" & 10" (STANDARD & METRIC)

MODEL 375ASTDA 2 1/2", 3" & 4" (STANDARD & METRIC)

FLOW RATES (l/s)

FLOW RATES (GPM)

PRESSURE LOSS (kPa)

MODEL 375ASTDA 6", 8" & 10" (STANDARD & METRIC)

FLOW RATES (l/s)

FLOW RATES (GPM)

PRESSURE LOSS (kPa)
Stainless Steel
The Next Generation of Backflow

Customer Service Representatives are available Monday through Friday 5:30 a.m. to 5:00 p.m., PT.
Call 855-ONE-ZURN (855-663-9876), email zurn-info@zurn.com or visit us online at www.zurn.com.