Application
Designed for installation on water lines in fire protection systems to protect against both backspignonage and backpressure of polluted water into the potable water supply. Model 350DA shall provide protection where a potential health hazard does not exist. Incorporates metered by-pass to detect leaks and unauthorized water use.

Standards Compliance
(Sizes 2 1/2" - 10" Horiz. & Vert. (12" Horizontal Only)
• ASSE® Listed 1048 (Sizes 2 1/2" thru 12")
• CSA® Certified B64.5 (Sizes 2 1/2" thru 8", & 12")
• AWWA Compliant C510 (Sizes 2 1/2" thru 12"), and C550
• UL® Classified (Sizes 2 1/2" thru 12")
• C-UL® Classified (Sizes 2 1/2" thru 12")
• FM® Approved (Sizes 2 1/2" thru 10")
• NYC MEA 147-99-M Vol 4 (2-1/2" - 10)
• Approved by the Foundation for Cross Connection Control and Hydraulic Research at the University of Southern California (Sizes 2 1/2" thru 12")
• Meets the requirements of NSF/ANSI 61*
*(0.25% MAX. WEIGHTED AVERAGE LEAD CONTENT)

By-Pass Backflow Assembly 3/4" Model 950XLD

Materials
Main valve body  Ductile Iron ASTM A 536
Access covers  Ductile Iron ASTM A 536
Coatings  NSF Approved fusion epoxy finish
Internals  Stainless steel, 300 Series NORYL™
Fasteners  Stainless Steel, 300 Series
Elastomers  EPDM (FDA approved)
Polymers  NORYL™
Springs  Stainless Steel, 300 Series

Features
Sizes: 2 1/2", 3", 4", 6", 8", 10", 12"
Maximum working water pressure  175 PSI
Maximum working water temperature  140°F
Hydrostatic test pressure  350 PSI
End connections (Grooved for steel)  AWWA C606
(Flushed bolt pattern)  ASME B16.42
Class 150

Options
(Suffixes can be combined)
☐ A  - with OS & Y gate valves (standard)
☐ B  - less shut-off valves (flanged body connections)
☐ C  - less water meter
☐ D  - with gallon meter (standard)
☐ E  - with cu ft meter
☐ F  - with groove end gate valves
☐ G  - with flanged inlet connection and grooved outlet connection
☐ H  - with Post Indicator Gate Valve
☐ I  - with flanged inlet connection and grooved outlet connection
☐ J  - with grooved end butterfly valves with integral monitor switches (2 1/2" - 10"

Accessories
☐ Repair kit (rubber only)
☐ Thermal expansion tank (Model XT)
☐ OS & Y Gate valve tamper switch (OSY-40)

Attention:
Model 350DA (flange body) and Model 350ADA (grooved body) have different lay lengths.

Dimensions & Weights (do not include pkg.)

<table>
<thead>
<tr>
<th>MODEL 350DA SIZE</th>
<th>A</th>
<th>A WITH BUTTERFLY VALVES</th>
<th>B LESS GATE VALVES</th>
<th>C</th>
<th>D</th>
<th>E WITH BUTTERFLY VALVES</th>
<th>E OPEN</th>
<th>E CLOSED</th>
<th>E WITH BUTTERFLY VALVES</th>
<th>F</th>
<th>LESS SHUTOFF VALVES</th>
<th>OS&amp;Y GATE VALVES FLANGED</th>
<th>OSAY GATE VALVES GROOVED</th>
<th>BUTTERFLY VALVES GROOVED</th>
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Flow Characteristics

### Rated Flow (established by approval agencies)

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### Flow Characteristics

- **Model 350DA 2 1/2", 3" & 4" (Standard & Metric)**
- **Model 350DA 6" & 8" (Standard & Metric)**
- **Model 350DA 10" & 12" (Standard & Metric)**

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### Typical Installation

Local codes shall govern installation requirements. 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.

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### Specifications

The Double Check Detector Backflow Prevention Assembly shall be certified to NSF/ANSI 61, ASSE® Listed 1048, and supplied with full port gate valves. The main body and access cover shall be epoxy coated ductile iron (ASTM A 536), 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. The first and second check valves shall be accessible for maintenance without removing the device from the line. The Double Check Detector Backflow Prevention Assembly shall be a ZURN WILKINS Model 350DA.

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### Capacity thru Schedule 40 Pipe (GPM)

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### OUTDOOR INSTALLATION

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