



Irrigation Solutions

Backflow Preventers, Pressure Reducing Valves,
and Water Control Products for Irrigation Applications



1.855.ONE.ZURN | ZURN.COM



Irrigation Solutions

Zurn delivers industry leading water safety and water control solutions with our Zurn Wilkins irrigation products. Developed with an emphasis on superior performance, customer value, and lowest life-cycle costs, Zurn Wilkins irrigation products are the smart solution – saving you time and money.

Clean Water and Pressure Management

At Zurn, we understand the importance of a healthy exterior environment, and believe your irrigation system should be designed to protect your investment. Zurn Wilkins irrigation products protect the potable water supply and manage pressures to promote water conservation and extend your system's life.

Through reliable performance and simple, low cost repair and maintenance, Zurn Wilkins irrigation products deliver the building owner with the lowest life-cycle costs. Zurn Wilkins irrigation products provide innovative solutions for contractors, including tools to speed product flushing and system winterization.

Zurn offers easy to use online Specification Tools to provide your clients with accurate and up-to-date specifications. By utilizing these tools, you can ensure that your client's irrigation systems use products that provide superior performance with the lowest life-cycle costs.

To ensure your specifications provide the greatest value to your clients, visit zurn.com/specification.



XL LEAD FREE

Many products within this brochure are available in lead-free options. Please visit www.zurn.com to see a complete listing of all lead-free product offerings.



Zurn Wilkins products may be used strategically to assist in the overall and comprehensive plan to achieve LEED® credit. For additional assistance on Zurn Wilkins products for LEED/Green projects, please email us at zurn-info@zurn.com

300 Series Irrigation Backflow Preventers

The innovative 300 Series Small Backflow allows easy flushing upon installation to remove fouling debris that will fail the backflow preventer, avoiding start-up delays and call backs. The 300 Series also allows contractors to quickly and easily winterize systems, resulting in increased productivity and customer satisfaction.

Simple Line Flushing with the EZSwap™ and Flush Fitting Tool (1-1/2" 375XL shown)



Backflow is installed with ball valves in the closed position.



Un-bolt or un-screw and remove EZSwap Pressure Vessel.



Drop in and install Flush Fitting Tool.



Attach hose to Flush Fitting Tool and turn on inlet ball valve. Direct water to landscaping or safe drain and flush until clear.



Remove Flush Fitting Tool and reinstall EZSwap Pressure Vessel.



Commission the backflow and start up system.

Easy Winterization and Start-Up with the Blow-Out Accessory (1-375BOF shown)



Valve is installed in-line. Turn shut-off valves to shut down system. Open test cocks to relieve pressure.



Unscrew and remove wedge, or un-bolt. Remove EZSwap™ from body. Store EZSwap indoors for the winter.



Insert and install the Blow-Out Accessory.



Attach air hose to Blow-Out Accessory and turn on compressor. Manually blow-out each zone to evacuate water.



Remove air hose and leave Blow-Out Accessory installed for the winter as a visual indicator. Leave shut-off valves in the half open and half closed position to prevent freeze damage.



In spring, attach hose and flush the line to remove any debris. Remove Blow-Out Accessory, reinstall EZSwap, and commission the backflow to start-up the system.

Visit our [OneZurn YouTube Channel](#) for the step-by-step flushing, troubleshooting, and repair videos.



1

1

2

2

7

7

Total Irrigation Solutions

1 Agricultural Water Storage and Systems



2 Drainage Systems



3 Fire Protection Systems



4 Potable Distribution Systems



5 Reclaimed Water Systems



6 Park and Sports Turf Irrigation Systems



7 Residential Water Systems



Commercial Landscape Irrigation

Landscaping enhances the beauty of commercial business centers and office buildings, and effective irrigation systems maintain foliage vitality. Necessary equipment is often hidden for aesthetic purposes, in addition to vandal and theft deterrence to avoid costly replacements. Pedestrian safety, vehicle traffic, water drainage and conveyance, and theft resistance must be considered.

The 375XLB Reduced Pressure Principle Backflow Preventer provides the ultimate backflow protection with a theft resistant design. The 375XLB Backflow uses less bronze, while the black fusion epoxy coating camouflages the bronze ball valves to virtually eliminate theft. In addition to theft deterrence, the 300 Series Backflow provides ease of maintenance with the removable EZSwap™ Pressure Vessel, providing simple line flushing and saving up to 15 minutes per installation. The EZSwap is removed and replaced with the Flush Fitting Tool in seconds, reducing repair costs and system down-time.



375XLB
Reduced Pressure Principle Backflow Preventer with Flush Fitting Tool



350
Double Check Valve Assembly



375
Reduced Pressure Principle Assembly



975XL2
Reduced Pressure Principle Assembly



720A
Pressure Vacuum Breaker Assembly



ZWFR
Freeze Relief Valve



NR3XL
Pressure Reducing Valve with Integral Strainer



600XL
Pressure Reducing Valve with Integral Strainer



500XL
Pressure Reducing Valve



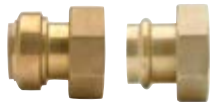
SXL
Bronze Wye Type Strainer



YBXL
Bronze Wye Type Strainer, Alternate Screens Available



850XL
Full Port Bronze Ball Valve



Solderless Connections
Z-Bite Push Type and Z-Press Press Type Connections*



Z110
Green Roof Drain



Z880
2-1/2" Wide Trench Drain System



Z883
Perma-Trench Shallow System

*Compatible with Zurn Wilkins Backflow Preventers, Pressure Reducing Valves, and Strainers

Landscape Drip Irrigation Systems

Drip systems conserve water by only distributing to vegetation, and are utilized in commercial landscaping, green roofs, and residential applications. Very low pressure is maintained throughout the system to support low flow conservation.

The NR3XL Pressure Reducing Valve reduces high inlet pressure to a lower outlet set pressure, protecting downstream equipment, reducing system wear, and supporting low flow conditions. The durable polymer cartridge and bell housing resists corrosion, is easy to maintain and repair, and is ideal for harsh outdoor or below grade installations. With numerous connection options, including union connections (standard), FNPT, male meter connection, copper, PEX, and labor-saving solderless Z-Bite™ and Z-Press™ connections, the NR3XL is versatile and easy to install.



NR3XLDU

Double Union Pressure Reducing Valve



350

Double Check Valve Assembly



375

Reduced Pressure Principle Assembly



975XL

Reduced Pressure Principle Assembly



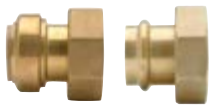
720A

Pressure Vacuum Breaker Assembly



420XL

Freeze Resistant Pressure Vacuum Breaker Assembly



Solderless Connections

Z-Bite Push Type and Z-Press Press Type Connections*



ZWFR

Freeze Relief Valve



90

Pressure Reducing Valve



NR3XL

Water Pressure Reducing Valve with Integral Strainer



600XLLPC

Water Pressure Reducing Valve, Low Pressure Range



500XLLPC

Water Pressure Reducing Valve, Low Pressure Range



SXL

Cast Bronze Wye Type Strainer



YBXL

Domestic Bronze Wye Type Strainer



850XL

Full Port Bronze Ball Valve

*Compatible with Zurn Wilkins Backflow Preventers, Pressure Reducing Valves, and Strainers

Parks and Recreation

Irrigation requirements vary widely in park and recreation areas, ranging from small neighborhood green areas to large, ornate city parks. Theft and vandalism is a concern in public spaces, which could result in costly repairs or replacements. Conducting maintenance or repairs requires system down-time, which disrupts the leisure activities, or amenities that a park and recreational space offers. Proper winterization should occur in cold climates to prevent freeze damage of valuable system components.

Winterizing and spring start-ups are easy with Zurn Wilkins 300 Series Winterizing Edition Backflow Preventer, which provides a backflow preventer and blow-out accessory in a convenient, single package. The EZSwap™ Pressure Vessel is removed and replaced with the blow-out accessory in seconds to quickly and thoroughly winterize systems, preventing costly freeze damage. Faster winterization with the blow-out accessory increases productivity when the freeze is quickly approaching, saving time and money. The durable reinforced nylon pressure vessel resists corrosion and mineral build-up better than bronze.



375 Winterizing Edition
Reduced Pressure Principle
Assembly with Blow-Out Accessory



375
Reduced Pressure
Principle Assembly



375XLB
Theft Prevention Reduced
Pressure Principle Assembly



375AST
Reduced Pressure Principle
Assembly with Stainless
Steel Body



ZWFR
Freeze Relief Valve



600XLLPC
Water Pressure Reducing
Valve, Low Pressure Range



SXL
Cast Bronze Wye
Type Strainer



FSC
Ductile Iron Flanged Wye
Type Strainer



ZW209E
Pressure Reducing Valve
with Solenoid Shut-off Valve



ZW204
Float Valve



Z415BZ
Floor Drain
with Leveling Strainer



Z508
Area Drain



Z886
Perm-Trench System



Z6915-XL
AquaSense® Sensor Faucet



**Z5755 and
ZTR6203-ULF-LL**
Omni-Flo™ Ultra Low
Consumption Urinal and
Sensor Flush Valve with
Long-Life Battery Operation



**Performa® Oxygen
Barrier Tubing**
Coils and Straight
Lengths Available

*Compatible with Zurn Wilkins Backflow Preventers, Pressure Reducing Valves, and Strainers

Sports Turf and Golf

Sports complexes and fields, golf courses, and large turf areas require extensive irrigation systems to maintain the lush and durable requirements. Superior performance is critical in these extremely visible areas where expectations and investments are high. Systems that promote superior turf quality and pedestrian safety include radiant turf heating systems to prevent turf freezing and drainage to prevent pooling water. Artificial turf also requires irrigation systems to maintain cleanliness and to cool the surface from over-heating in direct sunlight.

The ZW209E Pressure Reducing Automatic Control Valve with solenoid shut-off reduces high inlet pressures to a lower, constant rate to protect downstream equipment, and can function as the master valve to shut-down remotely via an electronic signal. The ZW200 Automatic Control Valve Series provides the lowest cost of ownership and labor saving features as standard, speeding maintenance and maximizing system up-time. Zurn's distribution network and quick ship production capabilities provide the industry's best lead time.



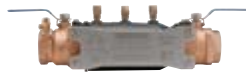
ZW209E
Pressure Reducing Valve
with Solenoid Shut-off Valve



350AST
Double Check Valve
Assembly with Stainless
Steel Body



375AST
Reduced Pressure Principle
Assembly with Stainless
Steel Body



350
Double Check
Valve Assembly



375
Reduced Pressure
Principle Assembly



975XL
Reduced Pressure
Principle Assembly



SXL
Cast Bronze Wye
Type Strainer



YBXL
Domestic Bronze Wye
Type Strainer



FSC
Ductile Iron Flanged Wye
Type Strainer



48
Resilient Wedge
Shut-Off Valve*



ZW209E
Pressure Reducing Valve
with Solenoid Shut-off Valve



ZW206
Solenoid Control Valve



ZW205
Pressure Relief/Pressure
Sustaining Valve



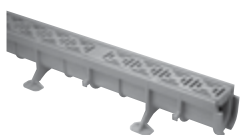
ZW204
Float Valve



Z882
Perma-Trench System



Z888
Slotted Drainage System



Z880
2-1/2" Wide Trench
Drain System



Z1320XL
Lead-Free Wall Hydrant



PEX Non-Barrier Tubing
Coils and Straight
Lengths Available



**Performa® Oxygen
Barrier Tubing**
Coils and Straight
Lengths Available



**hy-PE-RTube™
Barrier Tubing**
Coils and Straight
Lengths Available

*NRS, Available with Flanged, Grooved, or Flanged x Grooved End Connections

Agriculture

Drip tape irrigation systems are commonly found in row crops and orchards, requiring the use of pumps to draw water from the identified source. This high-flow, low-pressure method requires the use of backflow protection to prevent contamination within potable water sources. As agricultural backflow codes transition to testable backflows from previous standards, Zurn Wilkins backflow preventers offer the required high-hazard protection.

As the industry leader in backflow prevention, Zurn's innovative and proven designs are easy to repair and provide the lowest life-cycle costs. The 300AST Series corrosion resistant stainless steel body offers lower maintenance costs and a short lay length, allowing installation in tighter spaces. The proven and patented Compound Check provides reliable and secure check closure and low head loss.



300AST Series

Stainless Steel Body Backflow Preventers



350AST

Double Check Valve Assembly with Stainless Steel Body



375AST

Reduced Pressure Principle Assembly with Stainless Steel Body



ZW209E

Pressure Reducing Valve with Solenoid Shut-off Valve



ZW206

Solenoid Control Valve



ZW205

Pressure Relief/Pressure Sustaining Valve



ZW204

Float Valve



ZW221/ZW222

Altitude Valve



FSC

Ductile Iron Flanged Wye Type Strainer



48

Resilient Wedge Shut-Off Valve†



ZWFR

Freeze Relief Valve

†NRS, Available with Flanged, Grooved, or Flanged x Grooved End Connections

Residential Irrigation

Attractive landscaping is proven to add homeowner value. Landscaping for single and multi-family homes consists of small diameter lines for landscaping systems, including flower beds, lawns, trees, and water features. Systems must address a wide variety of aesthetic and water safety requirements to fit the needs of the resident. Winterization of irrigation equipment is necessary in cold climates to avoid costly freeze damage.

The 720A Pressure Vacuum Breaker is a time-tested design that delivers years of unparalleled service in high hazard backsiphonage conditions. When paired with the ZW3 Winterizer Valve Assembly and ZWFR Freeze Relief Valve, the 720A resists unexpected freeze damage and is easily winterized. The ZWFR is ideal where occasional/unexpected freezes occur and requires no periodic maintenance. The ZW3 allows winterization or maintenance to be performed by providing exterior access to an interior shut-off valve.



720A
Pressure Vacuum Breaker



350
Double Check Valve Assembly



375
Reduced Pressure Principle Assembly



975XL
Reduced Pressure Principle Assembly



950XLT
Top Access Double Check Valve Assembly



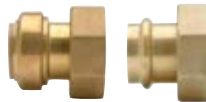
720A
Pressure Vacuum Breaker Assembly



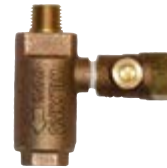
420XL
Freeze Resistant Pressure Vacuum Breaker Assembly



460XL
Spill Resistant Pressure Vacuum Breaker Assembly



Solderless Connections
Z-Bite™ Push Type and Z-Press™ Press Type Connections*



ZWFR
Freeze Relief Valve



1250XL
Water Hammer Arrestor



NR3XL
Water Pressure Reducing Valve with Integral Strainer



600XL
Water Pressure Reducing Valve



500XL
Water Pressure Reducing Valve



SXL
Cast Bronze Wye Type Strainer



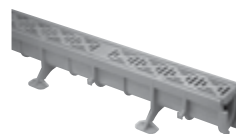
YBXL
Domestic Bronze Wye Type Strainer



ZW3
Winterizer Valve Assembly



850XL
Full Port Bronze Ball Valve



Z880
2-1/2" Wide Trench Drain System



PEX Non-Barrier Tubing
Coils and Straight Lengths Available

*Compatible with Zurn Wilkins Backflow Preventers, Pressure Reducing Valves, and Strainers

Zurn Engineered Water Solutions® is a recognized leader in commercial, municipal, and industrial markets, delivering sustainable building solutions for new construction and retrofit applications. At Zurn we are committed to providing smart solutions that save both time and money. Our goal is serving the customer through innovation, continuous improvement, and assurance behind every installation. Choose Zurn for a reliable, recognized manufacturer to supply your entire installation, from behind the wall rough-in, to finish trim product and fixture systems.



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