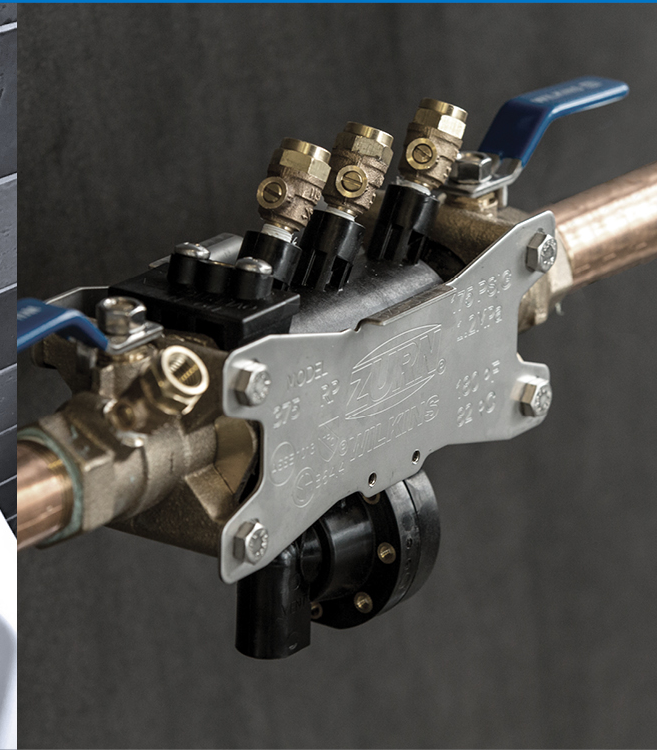


DRAINS & ROUGH PLUMBING • WATER SAFETY & WATER CONTROL • FINISH PLUMBING • SITE WORKS • WATER DISTRIBUTION



Zurn LIVE Product Training

August 2019



| agenda

what you'll learn

01

connected backflow

Connected Backflow (375W1, 375AW1, 375ASTW1)
Connected flood control system (FCIS, FCISA, FCISAST)

02

fire protection

Fire valves - ZW5000 Pressure-Tru field adjustable fire valves

03

future launches

Pressure Reducing Valve – 20XL

04

parts simplification

Repair kit guide



connected backflow



connected products

Connected Backflow Preventer



REAL-TIME DETECTION

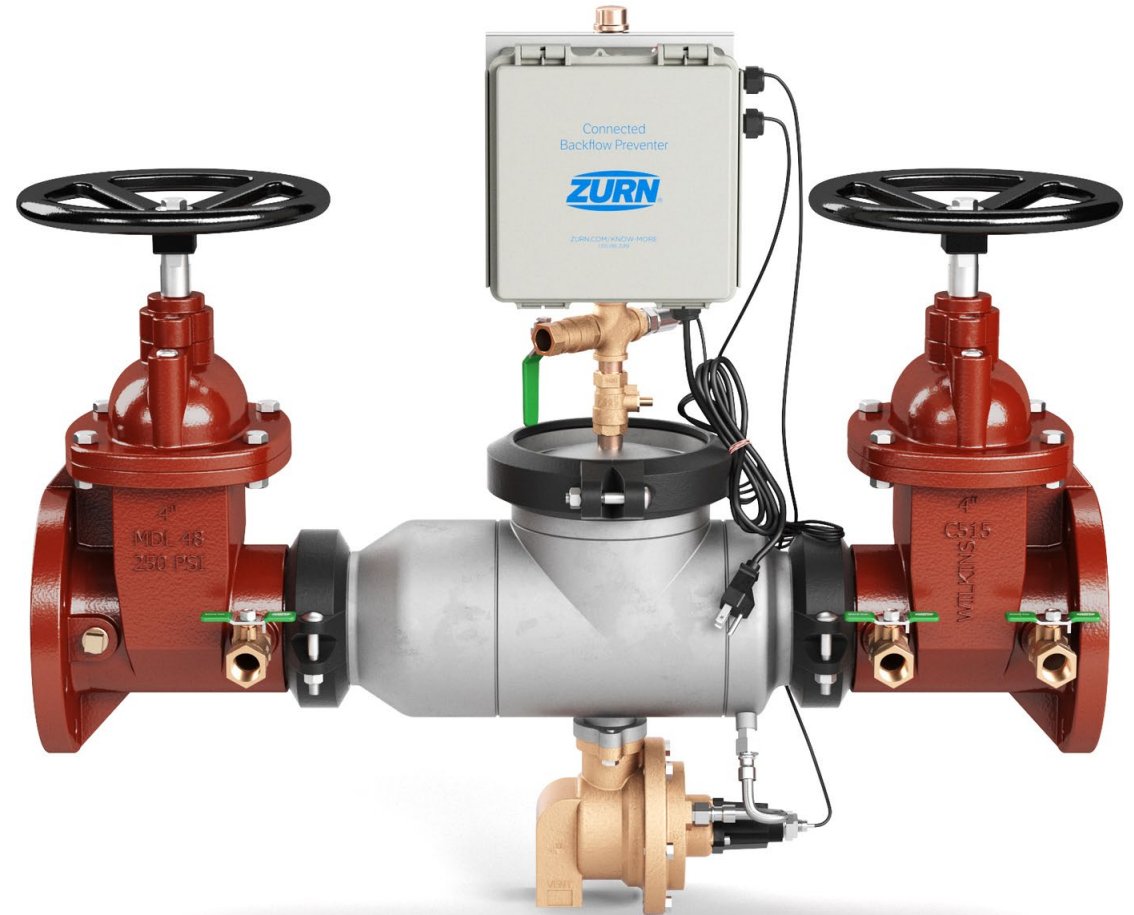
Sensor detects minute openings of relief valve and instantly calculates discharge flow rate and volume



PRESSURE MONITOR

Zone pressure sensor monitors system and provides alerts you when the pressure deviates from desired range

Launched Oct. 1, 2018



Connected Backflow Preventer
Model 375ASTW1 shown



**CONNECTED FLOOD
CONTROL SYSTEM**



| product 101 backflow preventers

Protects against backsiphonage and backpressure of contaminated water into the water supply. Reduce Pressure Principle Backflow Preventers provide the ultimate level of protection against cross-contamination and are ideal for high or low hazard protection for water applications.

WHAT IF THIS HAPPENS OVER THE WEEKEND?



connected products why flood control?

relief valve discharge can be catastrophic

An 8" backflow preventer at 110psi can discharge more than 550gpm; enough water to fill a 20' x 20' x 10' room in one hour (33,000 gallons).

the design dilemma

The typical mechanical room drain can handle about 100gpm leaving a severely deficient design gap when compared to relief valve discharge rates

value to the customer

building owners and property managers value the ability to prevent flooding due to relief valve discharge minimizing building downtime and avoiding expensive damage

market-leader in backflow prevention

Zurn Wilkins is the leading manufacturer on backflow flood control systems and offers the lowest total lifecycle cost on the market for backflow



Millions of dollars in cleanup, equipment replacement, and other liability costs

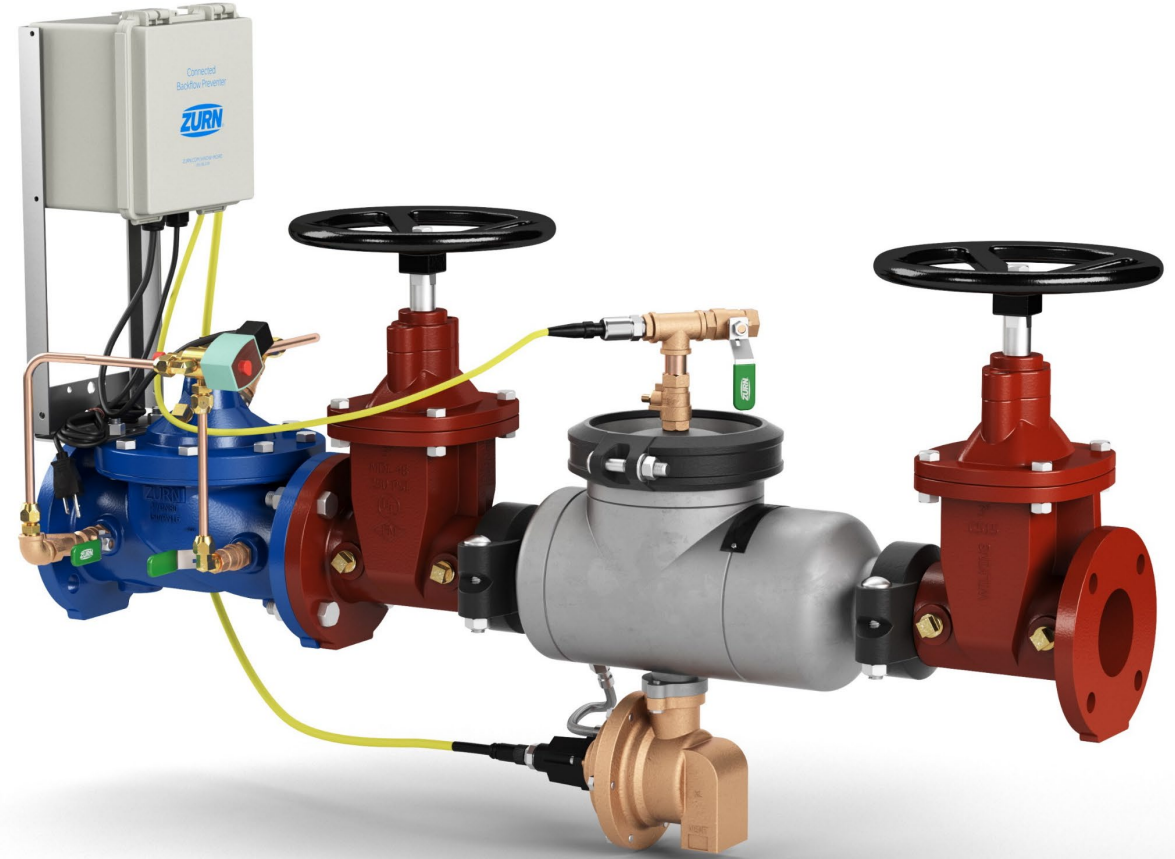
features & benefits

Connected Flood Control System (FCIS)

best-in-class flood prevention

- **Real-time notifications** when there's relief valve water discharge
- **Prevent potential damage with warning and critical alerts** sent to you via email or text
- **Check your system with the click of a button 24/7 from anywhere** through access to plumbSMART™
- **Records relief valve discharge frequency and volume data** in the cloud for diagnostic analysis and maintenance planning
- **“Plug-and play”** ease of installation and setup
- Can **connect to a building alarm system**; actively developing integrations with leading BMS/BAS systems providers
- **Ideal in mechanical rooms, basements, and enclosures** where undetected relief valve discharge could potentially cause catastrophic flooding and water damage
- **2.5” | 3” | 4” | 6” | 8” | 10” systems**

Estimated average annual value to customer: \$250 - \$3,000
Helps avoid upwards of \$1 million in catastrophic damage



connected products

Connected Flood Control System (FCIS)



REAL-TIME DETECTION

Sensor detects minute openings of relief valve and instantly calculates discharge flow rate and volume



WATER SHUTOFF

System automatically shuts off water if relief discharge is beyond set tolerances to prevent catastrophic flooding



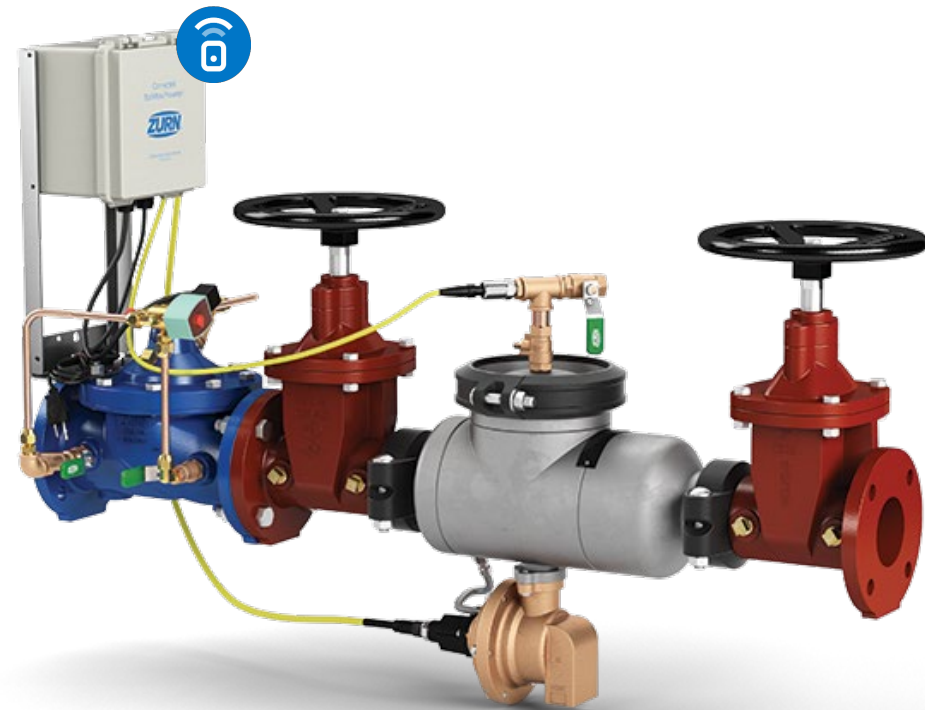
PRESSURE MONITOR

Zone pressure sensor monitors system and provides alerts you when the pressure deviates from desired range

FCIS standard with connectability – June 1, 2019
2-1/2" – 10"



CONNECTED FLOOD CONTROL SYSTEM



Connected Flood Control System (FCIS)
Model FCISAST shown

design & specify components

Connected Flood Control System

FICSAST (Stainless Steel), pictured
FICSA (Ductile Iron Grooved Ends)
FCIS (Ductile Iron Flanged Ends)

Relief-Valve Monitor
detects minute openings
and transmits data on size of opening
multiple times per second to the end-point

+ Floor Drain

An adequately sized drain **MUST** be installed
to handle water discharge
from the backflow relief valve

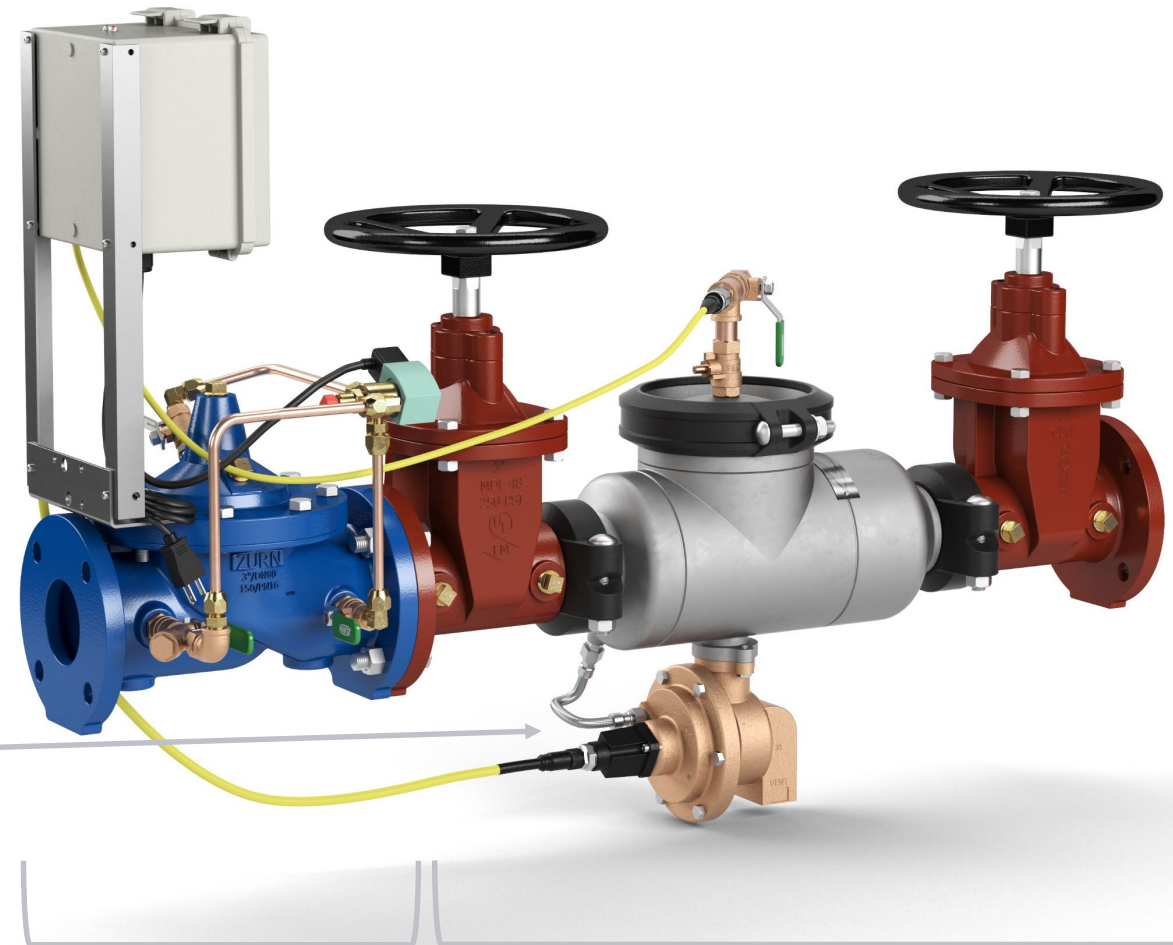
ZW206 Solenoid Control Valve (SCV)

customizable shut-off.
SINGLE for fouled first check, pictured
DOUBLE for fouled first or second
check
TRIPLE/CRITICAL for fouled first or
second check + in bypass
containing a backup backflow preventer

375 Reduced Pressure Principle Assembly

backflow detection and relief valve discharge

375ASTW1 stainless steel body
375AW1
375W1

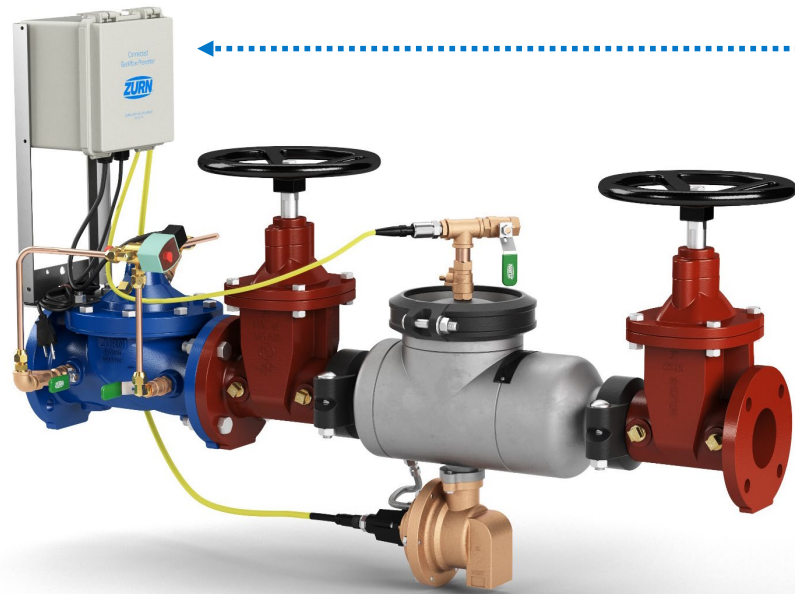


features & benefits

Connected Flood Control System

“Plug-and-play” ease of installation

for both electronics box and Zurn hub with instant connectivity test via laptop or mobile device



Compact, enclosed and valve-mounted electronics
controller that's NEMA 4 (IEC 60529 IP66) rated

LONG-RANGE (LoRa)
ANTENNA

CIRCUIT BOARD



POWER SUPPLY

how it works

Connected Flood Control System

- 1 sensors capture and send data to cloud**

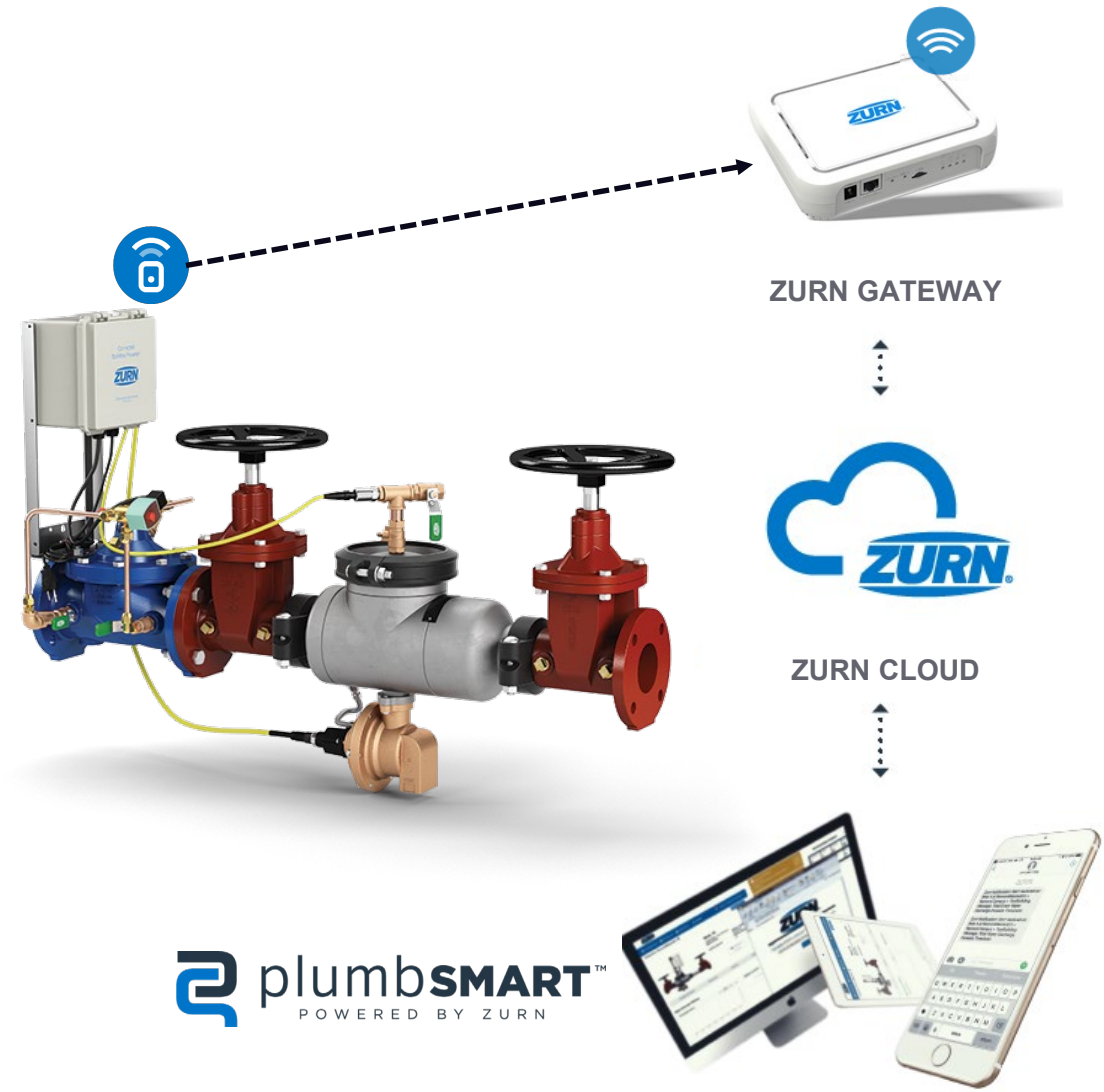
relief valve position sensor detects for opening of the relief valve and size of that opening, and then transmit these readings multiple times per second wirelessly to the Zurn cloud via Zurn gateway
- 2 data analyzed for alerts and insights**

relief valve opening size data is then computed in real-time to determine:

 1. **current flow rate (gallons per minute)**
 2. **total volume of water discharged during an event (gallons)**
 3. **total volume discharged by product in a 24-hr period (gallons)**
- 3 alerts sent via web/email/text**

if any of these computed results surpasses a **threshold for warnings and then severe alerts**, they are displayed immediately on plumbSMART™ and notifications are sent to the building owner/facility manager via email/text based on severity with link back to plumbSMART™
- 4 24/7 access to product info and trends**

plumbSMART™ allows customers to view current product status, adjust their alert settings and view historic data trends from any location with an internet connection

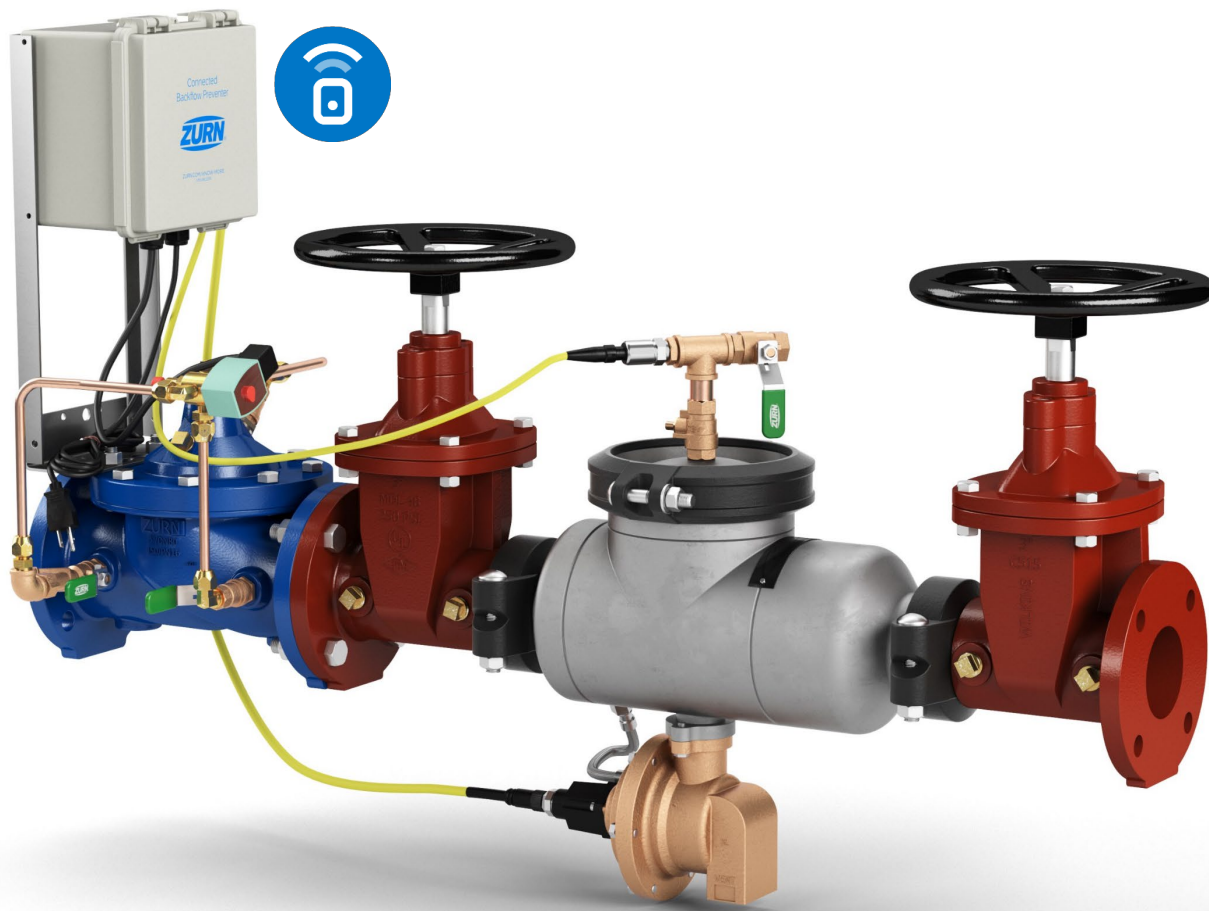


IMPORTANT NOTE:

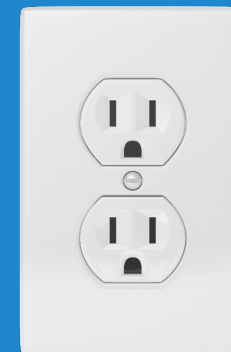
Connected technology/electronics DOES NOT CHANGE OR AFFECT the regular functions of the backflow preventer in any way. Only senses for changes.

connectivity and power supply

Flood Control System (Backflow Preventer)



Each backflow preventer sends its own wireless signal to a single gateway



120V
Wall Outlet



real-time alerts

preventative maintenance insights

historic data/trends

dashboard-style view of enterprise

organized by building and campus

customizable alert parameters

opt-in/out of email and mobile alerts

add/assign sub-users

PLUMBSMART™ ACCESS IS BY INVITATION ONLY;
USERS MUST BE AUTHORIZED AND VALIDATED

AUTHENTICATION IS SECURED
BY MICROSOFT AZURE ENCRYPTON PROTOCOLS

USER PRIVILEGES CAN BE LIMITED
TO SPECIFIC ROLES, LOCATIONS & PRODUCTS

[Step-by-step PlumbSMART™ instructions in less than 15 minutes!](#)

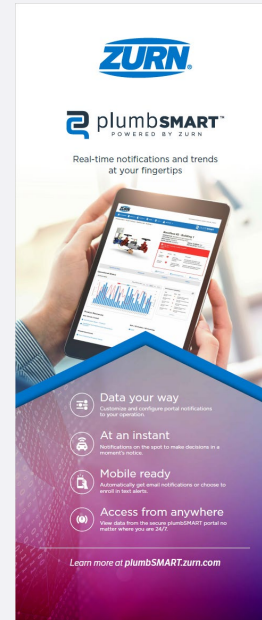
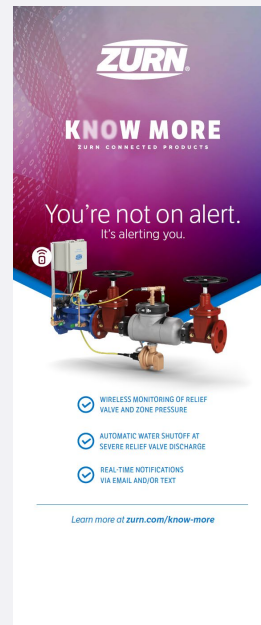


Awareness - Tradeshow

AWWA 2019 – Denver



FCIS – Connected Flood Control System Feature



Awareness

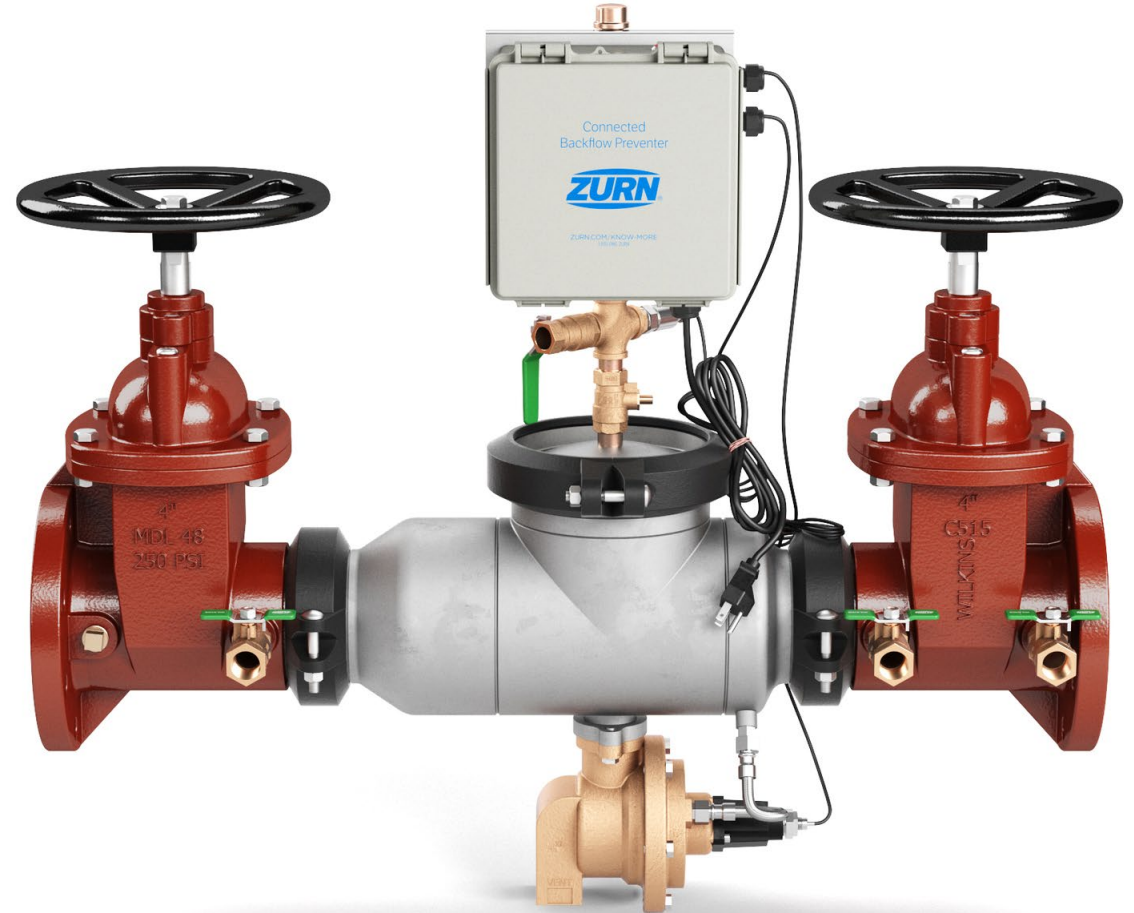
Product of the Year

CONSULTING - SPECIFYING
engineer®

2019
**PRODUCT
OF THE YEAR**

Silver

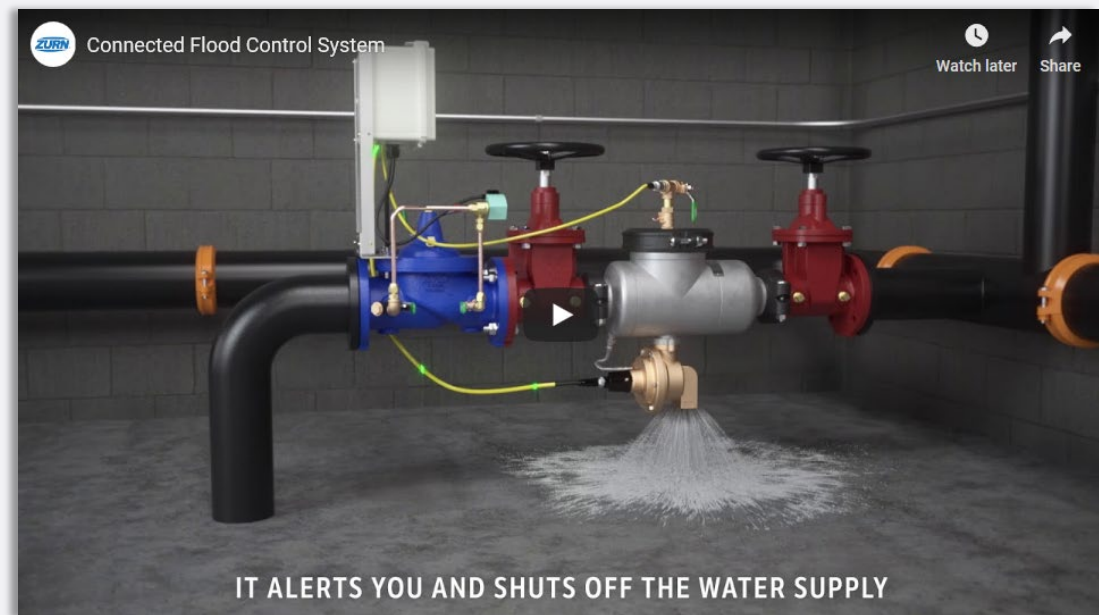
Voting on by qualified subscribers of
Consulting-Specifying Engineer products



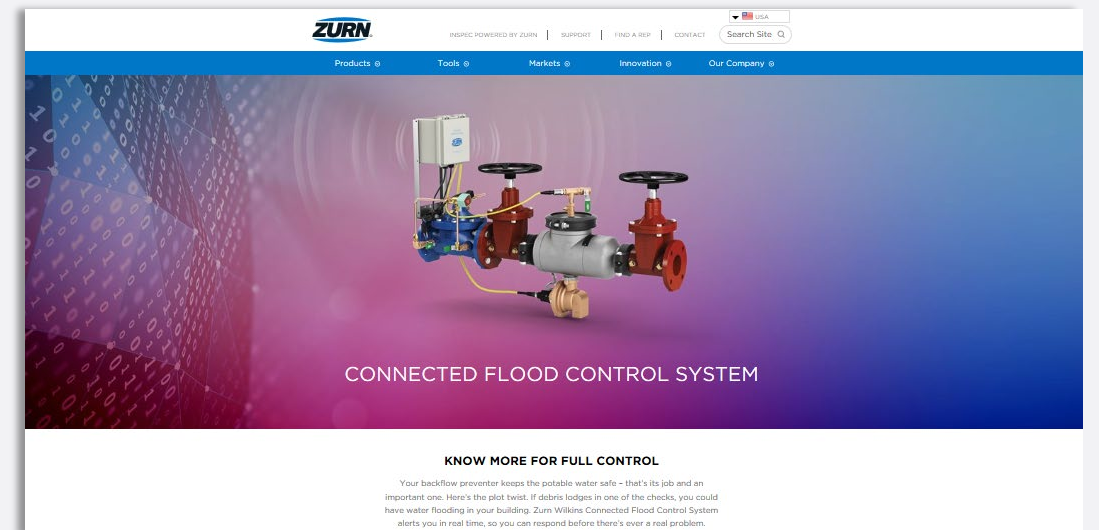
Marketing Materials Connected Flood Control System



Leave-behind brochure
also available on ZIX with fulfillment
through Delzer



1:50 Video:
[Zurn Connected Flood Control System](#)



Connected Flood Control System Landing Page

page
018

Spec Sheets

fire protection



present launches fire valves

Pressure-Tru® ZW5000/5004 Series Pressure Reducing Valve

field adjustable fire valves (hose and floor control)

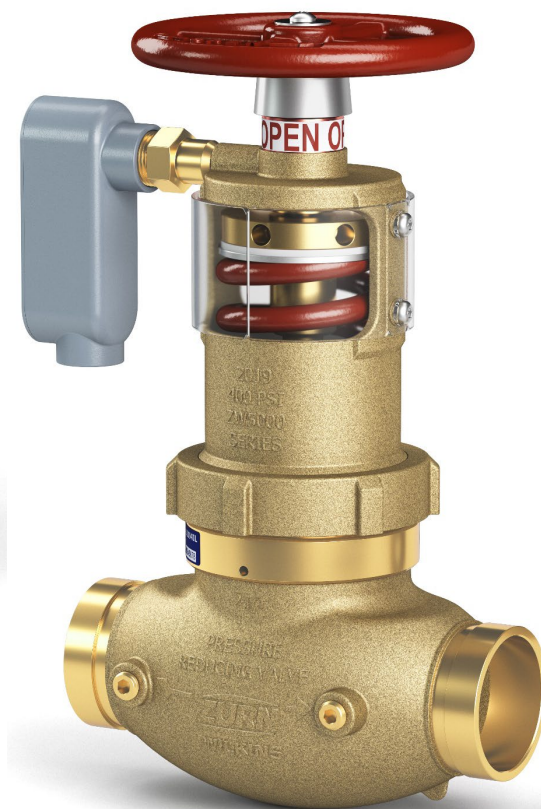
- **Widest range of flow performance** allows for replacement of any competitor valve
- **Low torque** – only 9ft lb. of torque to field adjust
- **Compact** - designed to fit in tighter spaces
- **Tamper proof shield (standard)**
 - New Construction – drops out of way for ease of in field adjustments
 - Fire Fighting – breakaway for quick in field adjustments
- Larger handwheel for ease of operation
- Lightweight aluminum adjusting rod included
- Angle or inline globe body with grooved or threaded connections
- Regulates pressure under both FLOW and NO-FLOW conditions
- Tamper resistant integral supervisory switch (standard) on all floor control valves



Start Spec Conversion NOW!
Shipping will begin in September



ZW5000 Pressure-Tru®
Field Adjustable Hose Valve



ZW5004 Pressure-Tru®
Field Adjustable Floor Control Valve

present launches fire valves

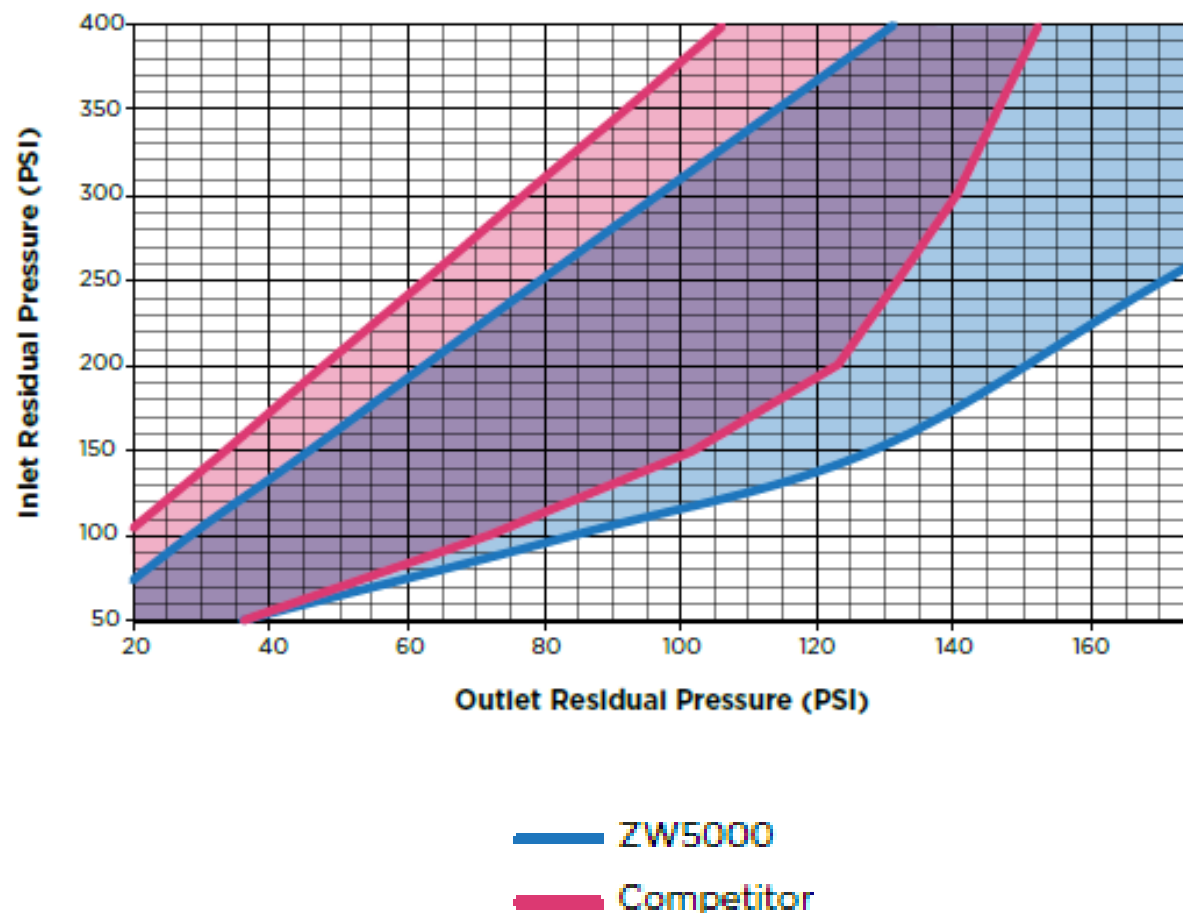
Flow Performance

- **Widest range of flow performance** satisfies virtually any application or replacement of any competitor's valve
- Provides **up to 30 psi** in higher residual outlet pressure than competitor models
- Regulates pressure under both FLOW and NO-FLOW conditions



ZW5000 vs. Competitor

Angle Body, 250 GPM

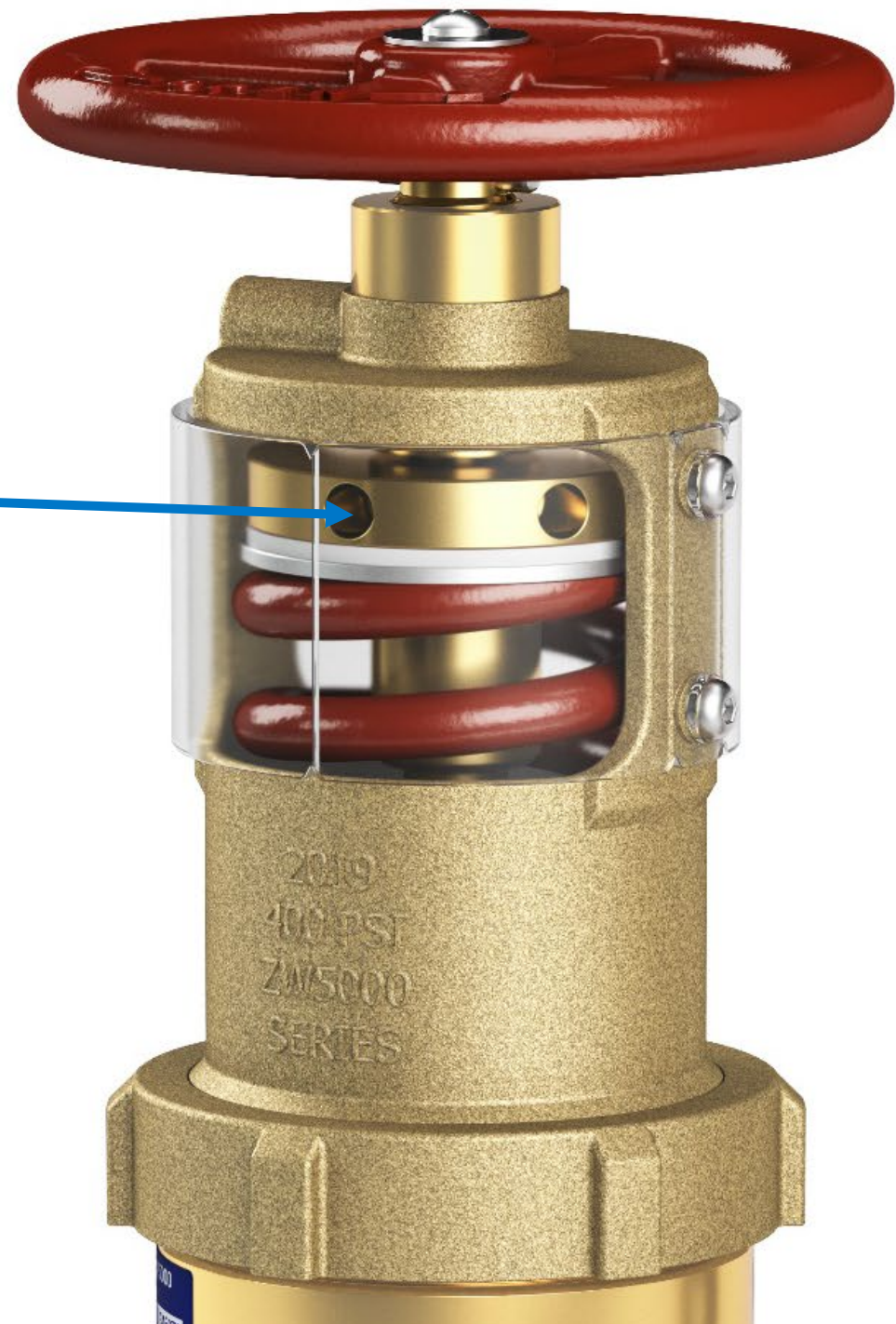
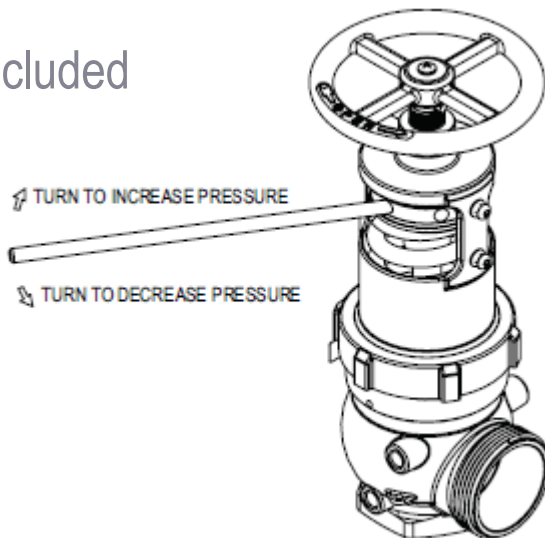
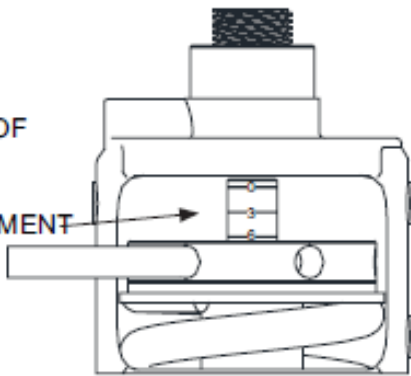


present launches fire valves

Low Torque

- **Low Torque** takes only 9 ft lb. of force to field adjust under flow or no-flow conditions
- Closest competitor Elkhart URFA is 15 ft./lbs. torque
- Each complete revolution is one complete setting
- 0-15 adjustment settings
- Lightweight aluminum adjusting rod included

ONE FULL TURN OF
ADJUSTING NUT
IS ONE SETTING
NUMBER ADJUSTMENT

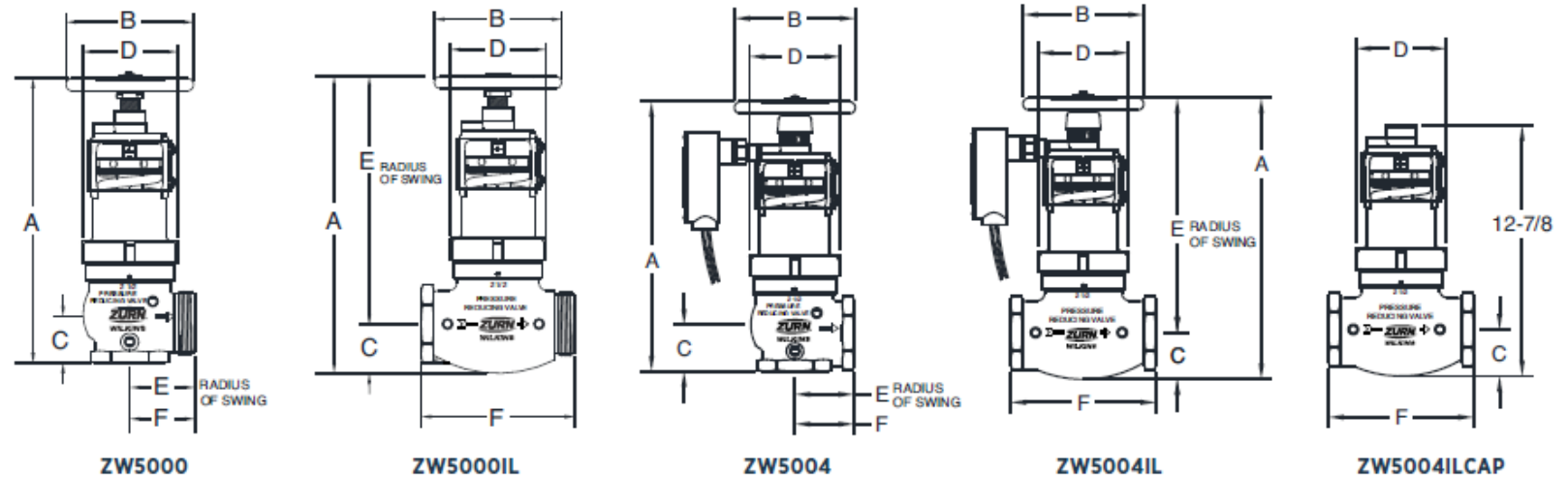


present launches fire valves

Compact

- Designed to fit in tighter spaces
- 4-5 inches shorter in height from our Z3000 in the open position
- Lightest and most compact valve on the market
 - Approx. 4-1/2 lbs. lighter than Elkhart URFA-25

Dimensions and Weights



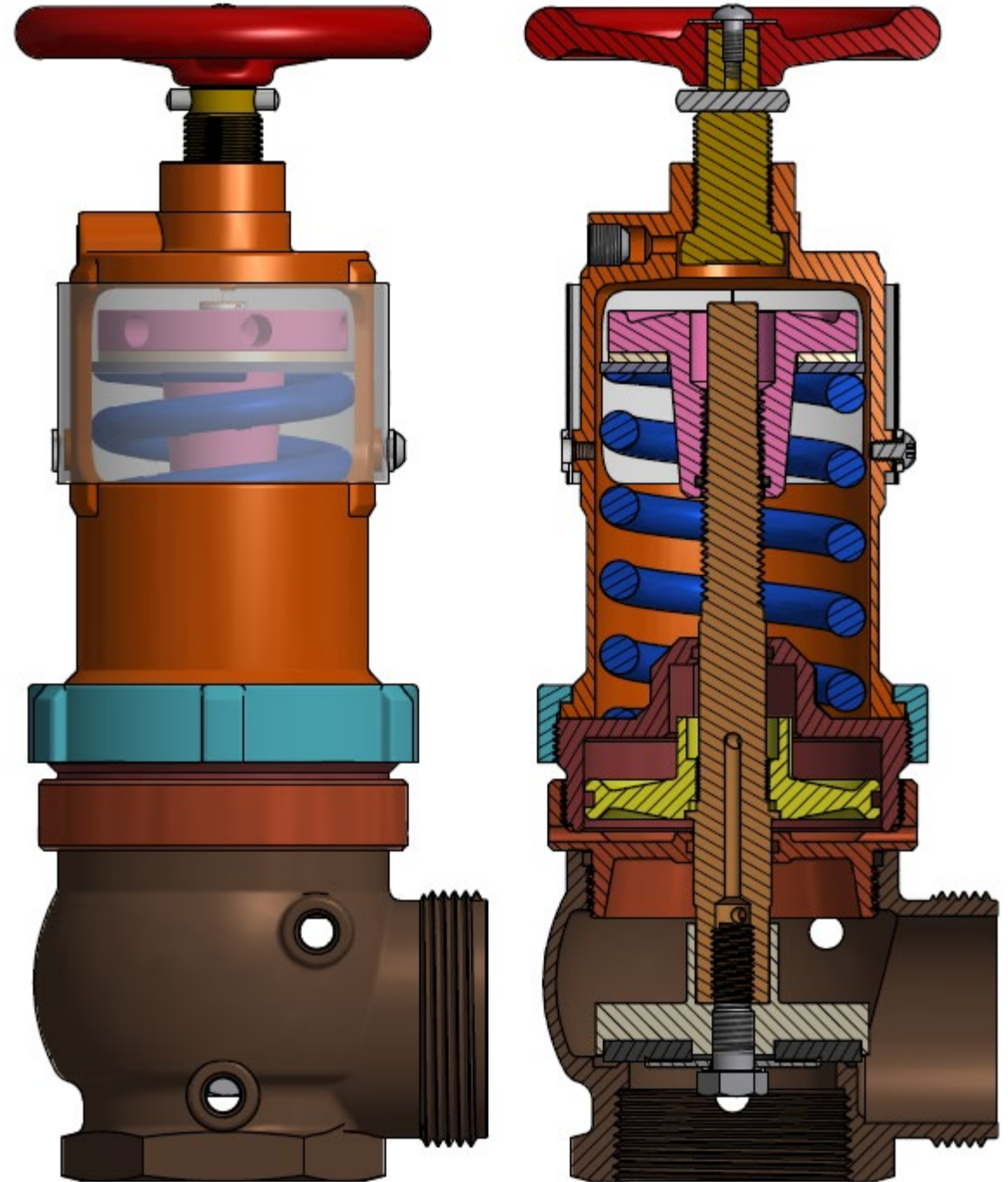
MODEL	APPROXIMATE DIMENSIONS IN INCHES [MM]							APPROXIMATE WEIGHT LB [KG]
	A OPEN	A CLOSED	B	C	D	E	F	
ZW5000	13-7/8 [352]	13-3/8 [340]	6-1/4 [159]	2 [51]	5 [127]	3-1/2 [89]	3-1/4 [83]	22.5 [10.2]
ZW5000IL	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	12-7/16 [316]	7-1/2 [191]	26.75 [12.1]
ZW5000G	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	N/A	3-1/4 [83]	22.5 [10.2]
ZW5000ILG	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	N/A	8-3/4 [222]	27 [12.2]
ZW5000F	13-7/8 [352]	13-1/4 [337]	6-1/4 [159]	2 [51]	5 [127]	3-1/2 [89]	3-1/16 [78]	23 [10.4]
ZW5000FIL	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	12-7/16 [316]	7-1/2 [191]	27.25 [12.4]
ZW5000SF	13-7/8 [352]	13-3/8 [340]	6-1/4 [159]	2 [51]	5 [127]	3-3/4 [95]	3-3/8 [86]	22.5 [10.2]
ZW5004	13-7/8 [352]	13-3/8 [340]	6-1/4 [159]	2 [51]	5 [127]	3-1/2 [89]	3-1/4 [83]	23 [10.4]
ZW5004IL	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	12-7/16 [316]	7-1/2 [191]	27.25 [12.4]
ZW5004G	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	N/A	3-1/4 [83]	23 [10.4]
ZW5004ILG	14-1/2 [368]	14 [356]	6-1/4 [159]	2-1/2 [64]	5 [127]	N/A	8-3/4 [222]	27.25 [12.4]



present launches fire valves

Design Features

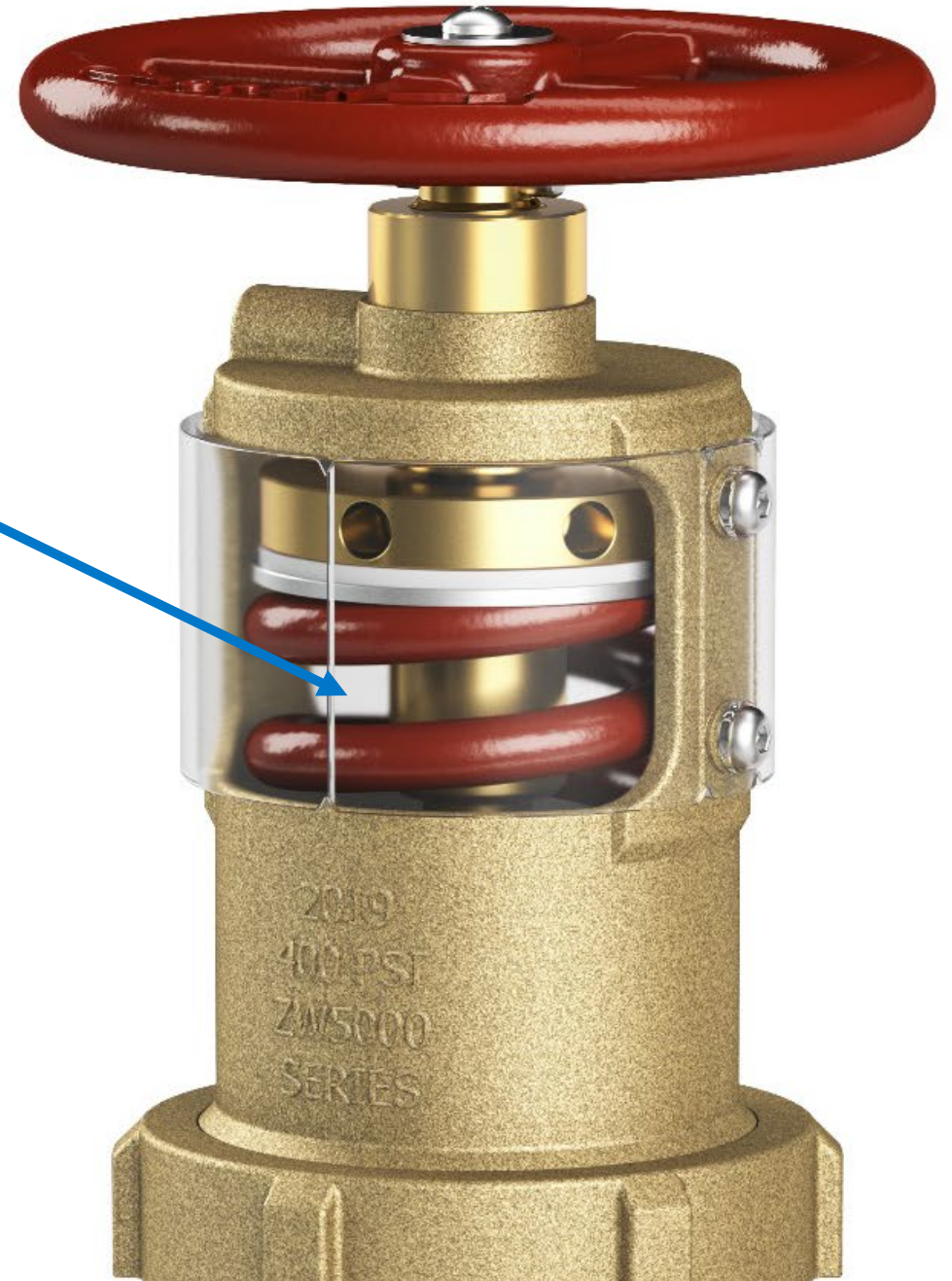
- O-ring on adjusting nut to prevent vibration from changing valve setting at low settings
- Ultra low friction washer to make valve adjustment easier
- Tapped and plugged inlet and outlet for pressure gauge
- Larger handwheel for ease of operation



present launches fire valves

Tamper Shield

- For Contractor:
 - Drops out of way for easy start-up adjustments in the field for new construction
- For Fire Ground Force:
 - Breaks away for on-the-fly adjustments in cases of emergency



present launches fire valves

ZW5000

- Listed as a standpipe valve for individual hose stations in CLASS I and CLASS III systems
- Factory or Field Set
- Maximum inlet pressure: 400psi
- Inlet connection:
 - (ZW5000): FNPT or Grooved
 - (ZW5000F): FNPT
- Outlet connection:
 - (ZW5000): Male hose
 - (ZW5000F): FNPT
- Tapped and plugged inlet and outlet for pressure gauge



ZW5000 Pressure-Tru® Field Adjustable Hose Valve

Options

(suffixes can be combined)

ZW5000	angle type hose valve
IL	in-line (globe type) valve
G	with grooved inlet
SF	with San Francisco hose thread (3")
ST	with special hose thread
CC	with cap and chain
CH	with rough chrome finish
ZW5000F	angle female NPT inlet and outlet angle hose valve
IL	female NPT inlet and outlet in-line valve
CH	with rough chrome finish



present launches fire valves

ZW5004

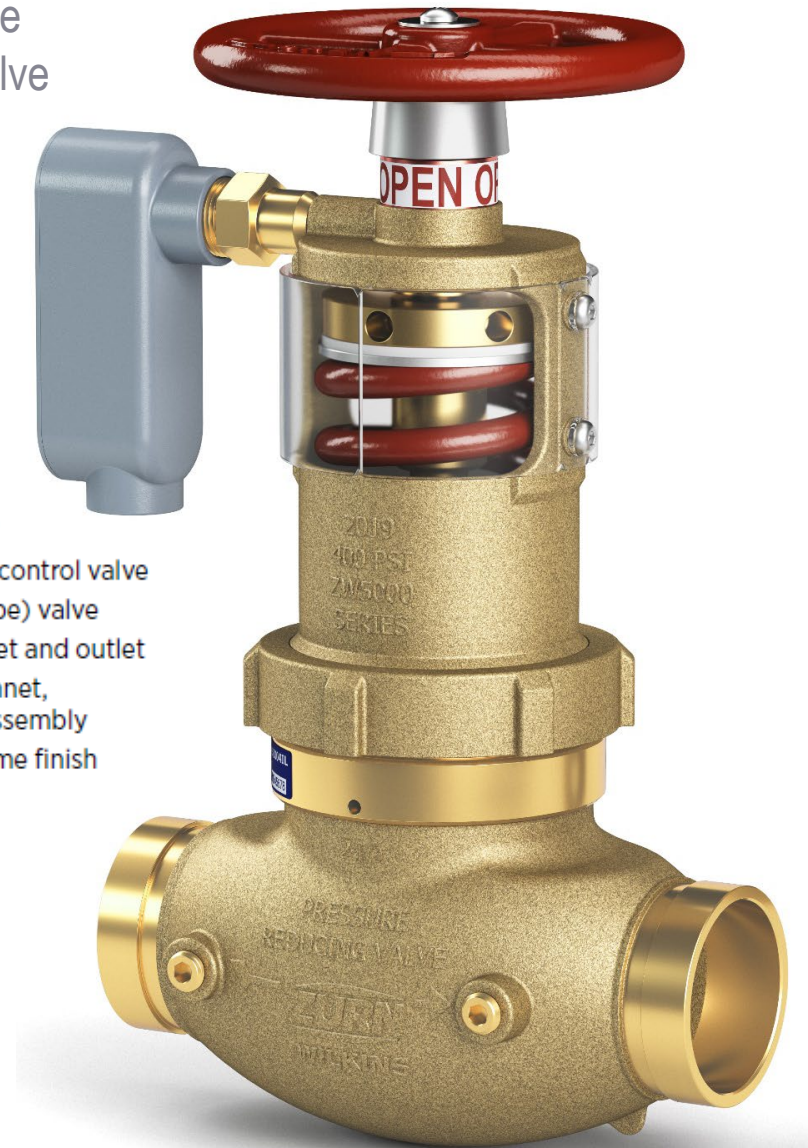
- Listed as a floor control valve, an indicating valve, and a check valve in automatic sprinkler systems as well as a standpipe valve for CLASS I and CLASS III systems
- Factory or Field Set
- Maximum inlet pressure: 400psi
- Inlet connection: FNPT
- Outlet connection: FNPT
- Tapped and plugged inlet and outlet for pressure gauge
- Integral supervisory switch contact rating of 3 amps at 125VAC and a tamper resistant cover



ZW5004 Pressure-Tru® Field Adjustable Floor Control Valve

Options (suffixes can be combined)

ZW5004	angle type floor control valve
IL	in-line (globe type) valve
G	with grooved inlet and outlet
CAP	with capped bonnet, no handwheel assembly
CH	with rough chrome finish



present launches fire valves

Pressure-Tru® ZW5000/5004 Series Pressure Reducing Valve Marketing materials

Pressure-Tru ZW5000/5004 Series Pressure Regulating Valve

Application

The Pressure-Tru ZW5000/5004 Series Pressure Regulating Valve is listed as a standpipe valve for individual hose stations in CLASS I and CLASS III systems (ZW5000), a floor control valve, an indicating valve and a check valve in automatic sprinkler systems as well as standpipe valve (ZW5004). The valve regulates pressure under both FLOW and NO-FLOW conditions and are ideal for applications where immediate field adjustments are needed. The valve can be factory set and adjusted or set in the field as needed.

Standards Compliance

- UL® Listed
- C-UL® Listed

Material

- **Main valve body:** Cast bronze ASTM B806
- **Stem:** Cast bronze ASTM B806
- **Flange:** Cast bronze ASTM B806
- **Elastomers:** Buna Nitrile (FDA approved), EPDM (FDA approved)
- **Springs:** Chrome silicon, ASTM A401 powder coated

Features

- **Size:** 2-1/2"
- **Maximum inlet pressure:** 400 psi
- **End Connection:** FNPT (ANSI B1.20.1), Grooved (AWWA C606), Hose Thread Standard (NFPA 1963)
- **ZW5000**
 - Inlet connection: FNPT or Grooved
 - Outlet connection: Male hose
- **ZW5004**
 - Inlet connection: FNPT
 - Outlet connection: FNPT
- **Factory or Field Set**
 - Tapped and plugged inlet and outlet for pressure gauge.
- **ZW5004:** Integral supervisory switch contact rating of 3 amps at 125VAC and a tamper resistant cover

Options

(suffixes can be combined)

- ZW5000**
 - IL angle type hose valve
 - G in-line (globe type) valve
 - ST with special hose thread
 - CC with cap and chain
 - CH with rough chrome finish

- ZW5000F**
 - IL angle female NPT inlet and outlet angle hose valve
 - CH female NPT inlet and outlet in-line valve with rough chrome finish

- ZW5004**
 - IL angle type floor control valve
 - IL in-line (globe type) valve
 - G with grooved inlet and outlet
 - CAP with capped bonnet, no handwheel assembly with rough chrome finish
 - CH with rough chrome finish

Dimensions and Weights

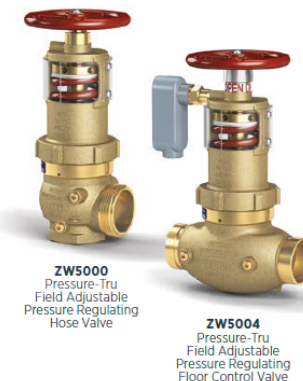
MODEL	APPROXIMATE DIMENSIONS IN INCHES (MM)							APPROXIMATE WEIGHT LB (KG)
	A OPEN	A CLOSED	B	C	D	E	F	
ZW5000	13-7/8 (352)	13-3/8 (340)	6-1/4 (159)	2 (51)	5 (127)	3-1/2 (89)	3-1/4 (83)	22.5 (10.2)
ZW5000IL	14-1/2 (368)	14 (356)	6-1/4 (159)	2-1/2 (64)	5 (127)	12-7/16 (316)	7-1/2 (191)	26.75 (12.1)
ZW5000G	14-1/2 (368)	14 (356)	6-1/4 (159)	2-1/2 (64)	5 (127)	N/A	3-1/4 (83)	22.5 (10.2)
ZW5000ILG	14-1/2 (368)	14 (356)	6-1/4 (159)	2-1/2 (64)	5 (127)	N/A	8-3/4 (222)	27.12 (12.3)
ZW5000F	13-7/8 (352)	13-1/4 (337)	6-1/4 (159)	2 (51)	5 (127)	3-1/2 (89)	3-1/16 (76)	23 (10.4)
ZW5000FIL	14-1/2 (368)	14 (356)	6-1/4 (159)	2-1/2 (64)	5 (127)	12-7/16 (316)	7-1/2 (191)	27.25 (12.4)
ZW5000SF	13-7/8 (352)	13-3/8 (340)	6-1/4 (159)	2 (51)	5 (127)	3-3/4 (95)	3-3/8 (86)	22.5 (10.2)
ZW5004	13-7/8 (352)	13-3/8 (340)	6-1/4 (159)	2 (51)	5 (127)	3-1/2 (89)	3-1/4 (83)	23 (10.4)
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ZURN WILKINS 1747 Commerce Way, Paso Robles, CA 93446, 805.663.9876
In Canada: ZURN INDUSTRIES LIMITED 7900 Gateway Drive, Unit 10, Brampton, Ontario L6T 5W6, 877.892.5216
Form No. 480-195, 6/19

FIRE PROTECTION SOLUTIONS



Pressure-Tru® Field Adjustable ZW5000/5004 Series Pressure Regulating Valve



Less Force, More Flow

Our Pressure-Tru ZW5000/5004 Series Pressure Regulating Valve fits in tight spaces, takes only 9 ft lb of torque to field adjust, and delivers optimal flow performance – making it ideal for any application, retrofit or new.

For the Contractor: The Size of It

- **Compact design** fits in tighter spaces
- **Angle or inline globe body** comes with grooved or threaded connections
- **Tamper-proof shield (standard)** drops out for easy start-up adjustments in the field for new construction
- **Lightweight aluminum adjusting rod** aids field adjustments

For the Fire Ground Force: The Ease of It

- **Low torque** takes only 9 ft lb of force to field adjust under flow or no-flow conditions
- **Tamper proof shield (standard)** breaks away for on-the-fly adjustments in cases of emergency
- **Larger handwheel** ensures easy operation.

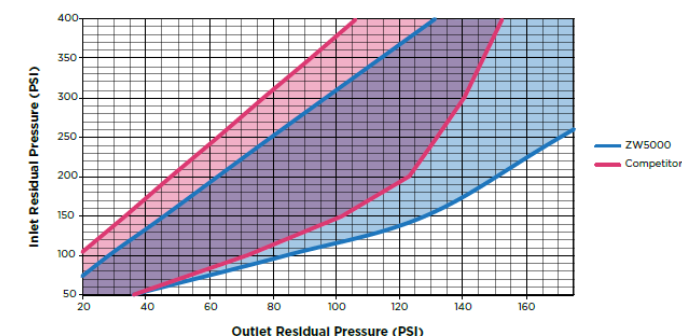
For Everyone: More Flow Performance

- **Widest range of flow performance** satisfies virtually any application or replacement of any competitor's valve
- **Valve regulates pressure** under both flow and no-flow conditions
- **Tamper resistant integral supervisory switch** comes standard on all floor control valves
- **UL Listed** meets standards

ZW5000 vs. Competitor

Angle Body, 250 GPM

The ZW5000 provides up to 30 psi in higher residual outlet pressure than competitor models.

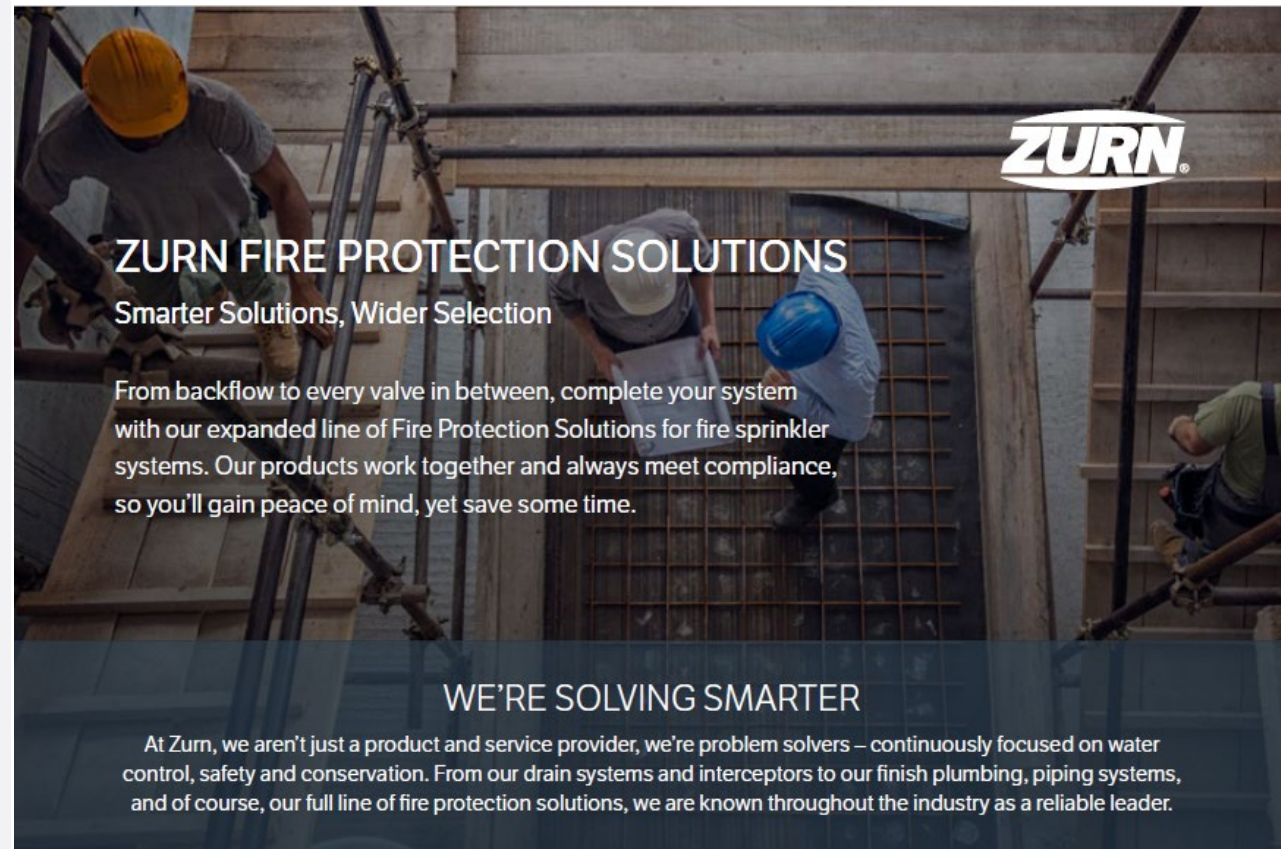


fire protection group 1

Fire Protection Solutions – Group 1

Advantage the Zurn brand strength, established by backflow and fire valves, with contractors, engineers and distributors by adding products to provide a simple and economical purchase solution from order to delivery, and one-touch project problem resolution.

- Group 1 Products:
 - Fire Valves
 - **Hose valve** (F100, F100G)
 - **Restricting hose valve** (F105)
 - **Test and Drain Valves** (FTD)
 - Shut-Off Valves
 - **Powerball butterfly valve** (F49BR, F49BRG)
 - **Commercial Risers** (FEZR)
- Net pricing sheet available on ZIX and list prices are loaded in Axapta
- New products specification sheets and digital sell sheet available on zurn.com/fire

The advertisement features a background image of three construction workers in hard hats and safety gear working on a complex network of pipes and valves. The ZURN logo is in the top right corner. The main text is overlaid on the image.

ZURN FIRE PROTECTION SOLUTIONS
Smarter Solutions, Wider Selection

From backflow to every valve in between, complete your system with our expanded line of Fire Protection Solutions for fire sprinkler systems. Our products work together and always meet compliance, so you'll gain peace of mind, yet save some time.

WE'RE SOLVING SMARTER

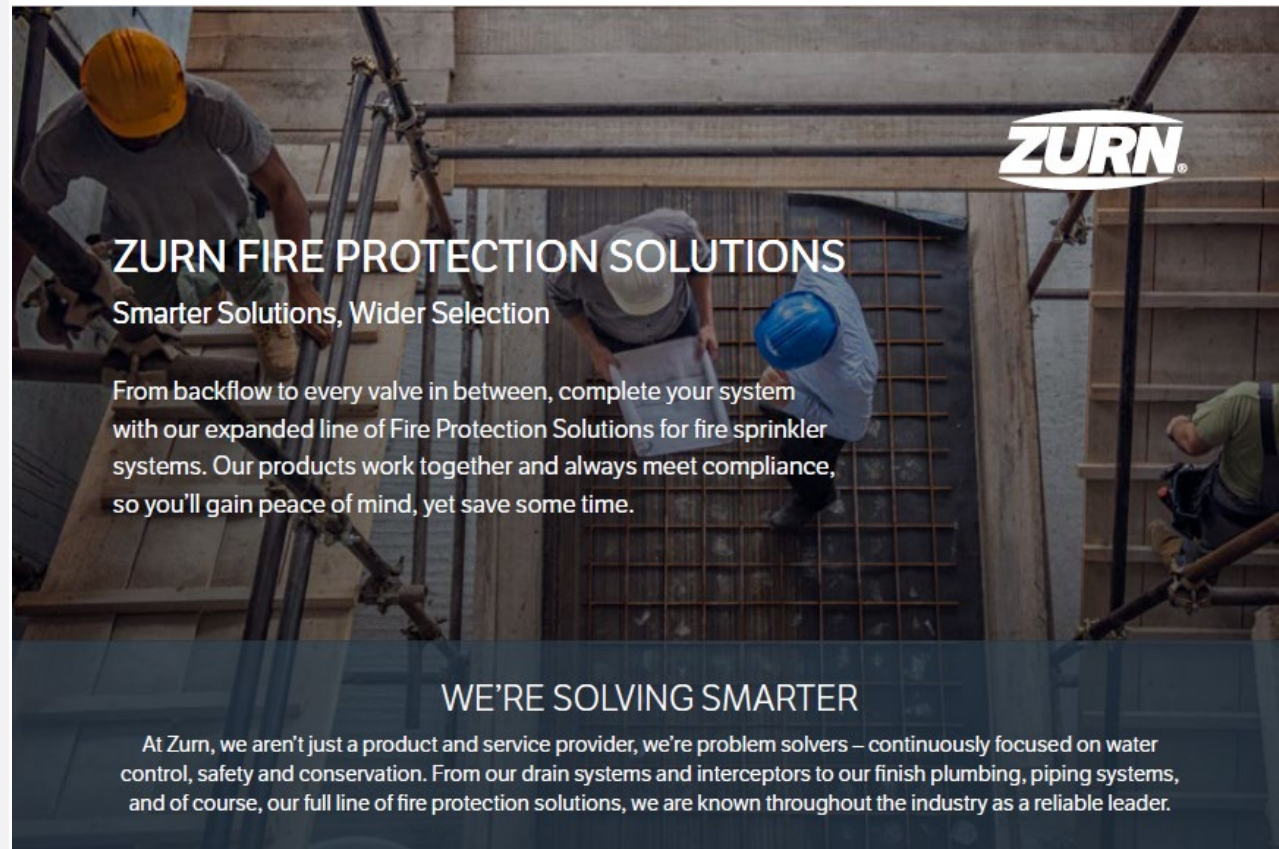
At Zurn, we aren't just a product and service provider, we're problem solvers – continuously focused on water control, safety and conservation. From our drain systems and interceptors to our finish plumbing, piping systems, and of course, our full line of fire protection solutions, we are known throughout the industry as a reliable leader.

fire protection group 2

Fire protection solutions – group 2

Advantage the Zurn brand strength, established by backflow and fire valves, with contractors, engineers and distributors by adding products to provide a simple and economical purchase solution from order to delivery, and one-touch project problem resolution.

- Group 2 products:
 - **Fire department connections (FDC)**
 - **Untapped OSY shut-off (F480S&YF)**
 - **Check valves (F210)** and **Riser checks (F210R)**
 - **Butterfly valves (short pattern) (F49)**
 - Grooved **couplings (FP23)** – reducing, rigid and flex
 - Grooved **fittings** – elbows (FP52), tees (FP53), crosses (FP56), caps (FP3), mechanical tees (FP63), flanges (FP8) and reducers (FP51)
- **Total available market \$102 million**
- Net pricing sheet available on ZIX and list prices are loaded in Axapta
- New products specification sheets and digital sell sheet available on zurn.com/fire



ZURN

ZURN FIRE PROTECTION SOLUTIONS

Smarter Solutions, Wider Selection


From backflow to every valve in between, complete your system with our expanded line of Fire Protection Solutions for fire sprinkler systems. Our products work together and always meet compliance, so you'll gain peace of mind, yet save some time.

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fire protection

www.zurn.com/fire




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FIRE PROTECTION SOLUTIONS

SMARTER SOLUTIONS, WIDER SELECTION

We're solving smarter with an expanded line for fire sprinkler systems. From backflow to every valve in between, our Fire Protection Solutions work together and always meet compliance. You'll gain peace of mind and save some time by working through a single, trusted manufacturer.

Fire Protection microsite on zurn.com/fire
Also accessible on zurn.com under Markets/Fire Protection




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BACKFLOW PREVENTERS

[View](#)




HOSE VALVES

[View](#)




SHUT OFF VALVES

[View](#)




IN BUILDING RISERS

[View](#)




SWITCHES

[View](#)




BACKFLOW ACCESSORIES

[View](#)




RISER EQUIPMENT

[View](#)




TEST AND DRAIN

[View](#)



PRESSURE REGULATING VALVES

[View](#)



PILOT OPERATED VALVES (ACV)

[View](#)

Engineers and contractors both benefit from our complete line of technologically advanced, USC-certified backflow preventers, automatic control valves, and fire valves. These systems deliver consistent performance results, exceed all fire sprinkler code requirements, and offer easier installation than the competition.

FIRST CHOICE FOR LASTING PERFORMANCE

Your Zurn Fire Protection Solutions are designed to perform. With corrosion resistant stainless steel construction, faster routine maintenance and the widest selection of parts, rely on products that will perform when the heat is on and cost less to keep up after the job is done.



EASY MAINTENANCE AND REPAIRS

Due to our compatible parts and reasonable associated costs, Zurn's fire protection products are simple to maintain and repair. Customers experience lower cost of ownership, from install through the long haul.



LESS WORK, LESS WORRIES

Nothing matters more than solutions that do their job. But, that doesn't mean it should affect the contractor's with backbreaking installation or painstaking maintenance tasks. Whether connecting to the outside water supply line or flushing out your system, our intuitive, flexible products, like the 400ST Stainless Steel n-Pattern Backflow Preventer Series, help professionals avoid a step or two...and a headache.



SELECT WITH CONFIDENCE

We care about maintaining the highest level of quality for your business and personnel. Select from fire protection solutions that aren't just patented, they're backed by industry-leading warranties.

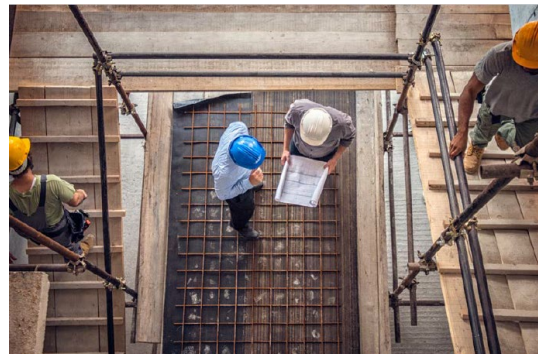
[Find Your Fire Protection Products](#)



fire protection
marketing materials

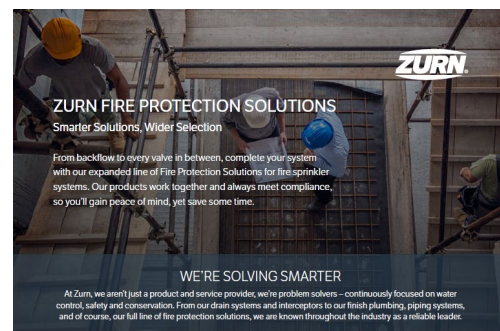
marketing materials

Available on ZIX with fulfillment through Delzer



Zurn Fire Protection Solutions

Smarter Solutions. Wider Selection

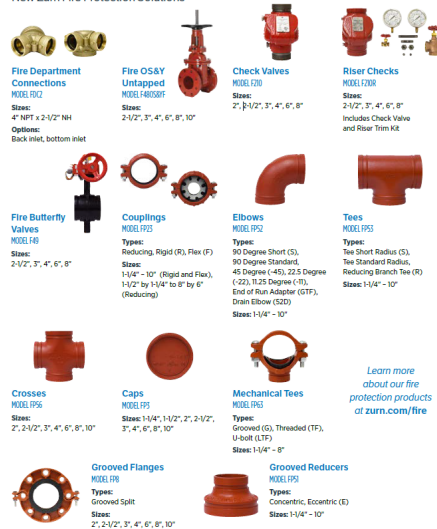


New Zurn Fire Protection Solutions

Learn more about our fire protection products at zurn.com/fire



New Zurn Fire Protection Solutions



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about our fire
protection products
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ZURN.COM US 1.855.ONE.ZURN CANADA 1.877.692.5214



Full Compliance.

n. It's even better if you can find it all through one manufacturer.

valve in between, complete your system with our Fire Protection Solutions. Together and always meets compliance, so you'll gain peace of mind, yet save.

Backflow Preventers

Enhance the service life of your fire protection system and avoid cross-contamination to your potable water supply by installing one of our patented backflow preventers.

Fire Valves

Globe or angle body configurations, grooved or threaded connections, our fire valves install how you need them to without a hitch. They are a reliable choice with more options, reliable performance and the lowest lifecycle costs.

Automatic Control Valves

Fire systems can be complex with multiple controls for ranging functionality. Automatic control valves provide steady downstream pressure, allowing high flow rates without risk.

Shut-Off Valves

Whether it's a simple repair or an emergency, turn off the source quickly without affecting your system. Our shut-off valves feature low torque actuation that's easy to maneuver time and again without fail.

Pressure Relief Valves

Take some pressure off of your system - these guys are built to handle it. Our pressure relief valves automatically curb buildup whenever the line exceeds the desired setting.

Stainless Steel Wilkins Building Riser (WBR)

When it comes to getting to the source, we've got you covered. With all stainless steel construction and intuitive installation, you can connect your building to the outside water supply line with fewer joints and without concern.

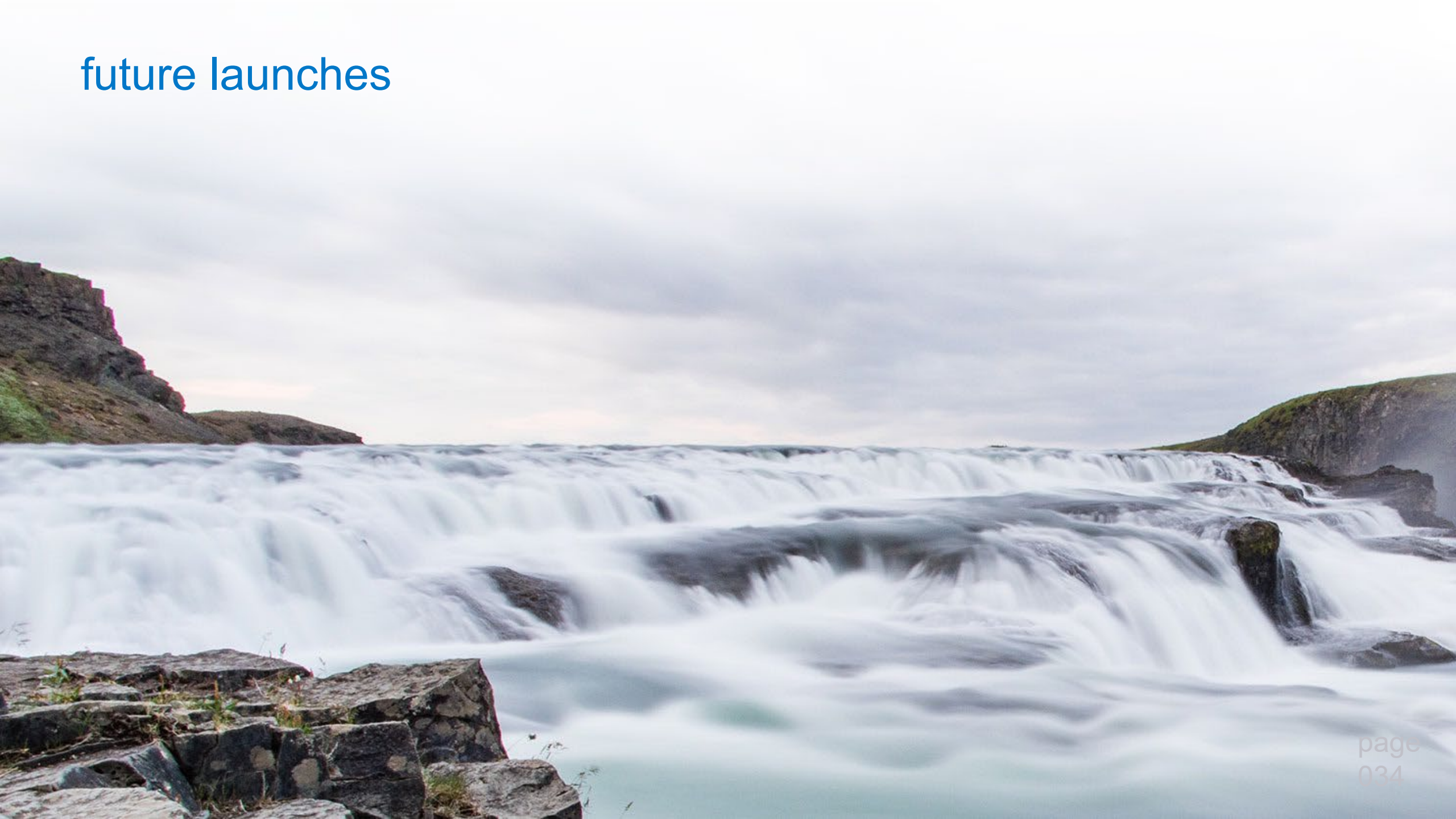


ST, 350AR, 350ASTR, 450, 450ST, 450STR



480-173 Fire Protection Solutions Flyer

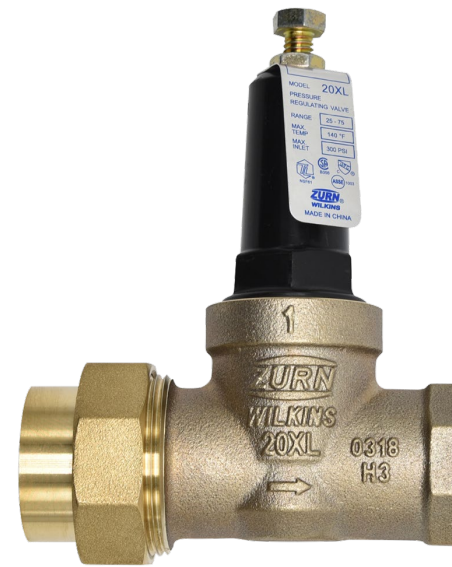
future launches



future launches pressure reducing valves

20XL First fit pressure reducing valves

- **Compact design** for ease of installation
- **Short lay length** to fit into the tightest spaces
- Economical and ideal for **residential** construction
- Sizes: 3/4" and 1"
- **Body connections options:**
 - Single union
 - Double union
 - Integral PEX connections
 - F1960 expansion style
 - F1807 crimp style



20XL
Single Union



20XLDU
Double Union



20XLEPEX
F1960 Expansion PEX



20XLPEX
F1807 Crimp PEX

parts simplification



simplification repair kit guide

Zurn-Wilkins individual parts to repair kits

- Overhauled 100+ pages of repair parts guide to be a repair kit guide
- Continues to include **parts drawings and identify parts**
- Consolidation** of parts into specially designated repair kits
- Provides an **outline of all the kits** that the part can be located in
- Eases the stress** of finding all the parts necessary to make a repair
- Simplification** of business transactions

available now

- Zurn.com (https://www.zurn.com/media-library/web_documents/pdfs/catalogs/zmktg480-023-pdf.aspx)
- Individual product pages
- ZIX (Zurn Info>Literature Fulfillment>Wilkins Literature>Flyers)

Please begin to promote and move your customers to purchasing repair kits containing the parts they may need for their Zurn Wilkins products



Zurn Wilkins Repair Kits



350XL and 350	2	375DA	58
Double Check - Backflow Preventers 3/4" and 1"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 12"	
350XL and 350	4	375ADA	60
Double Check - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
950XL	6	375ASTDA	62
Double Check - Backflow Preventers 3/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
950XL2, 950XL1, 950XLTA	8	475DA and 475DAV	64
Double Check - Backflow Preventers 3/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 12"	
350 and 450	10	475STDA and 475STDAV	66
Double Check - Backflow Preventers 1 1/2" and 2"		2-Step Isolated Pressure Detector Assembly - Backflow Preventers 4" to 12"	
350A and 350	12	700	68
Double Check - Backflow Preventers 3/4" to 1 1/2" and 3/4" to 1 1/2"		Isolated Pressure Detector Assembly - Backflow Preventers 3/4" to 1 1/2"	
350AST	14	700A	69
Double Check - Backflow Preventers 3/4" to 1 1/2" and 3/4" to 1 1/2"		Isolated Pressure Detector Assembly - Backflow Preventers 3/4" to 1 1/2"	
450	16	700A	70
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
450ST	18	700A and 700A	71
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
350A and 450A	20	700A and 700A	72
Double Check - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
350A	22	700A and 700A	73
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
350A and 450A	24	700A and 700A	74
Double Check - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
350ASTDA	26	700A and 700A	75
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
450A	28	700A and 700A	76
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
450STDA	30	700A and 700A	77
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
375ST	32	700A and 700A	78
Double Check - Backflow Preventers 4" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 4" to 10"	
375A and 375	34	700A and 700A	79
Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"	
375A and 375	36	700A and 700A	80
Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"	
975XL and 975XL	38	700A and 700A	81
Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"	
975XL2 and 975XL	40	700A and 700A	82
Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"	
975XL2 and 975XL	42	700A and 700A	83
Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"		Isolated Pressure Detector Assembly - Backflow Preventers 1 1/4" to 2"	
375, 475 and 475V	44	700A and 700A	84
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
375A and 375	46	700A and 700A	85
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
375A and 375	48	700A and 700A	86
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
475 and 475V	50	700A and 700A	87
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
475 and 475V	52	700A and 700A	88
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
RELIEF VALVE - 2 1/2" to 10"	54	700A and 700A	89
Model 375, 375A, 375-2, 475, 475-2, 475V		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	
375DA	56	700A and 700A	90
Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"		Isolated Pressure Detector Assembly - Backflow Preventers 2 1/2" to 10"	

MODEL 950XL

Double Check - Backflow Preventers 3/4" to 2"



Repair Kit Components	3/4" and 1"	1 1/4" and 2"
Item #	Item Description	Item Description
1	Check Cover	1
2	O-Ring, Cover	2
3	Check Spring	3
4	Prep	4
5	Seal Ring	5
6	Seal Ring Retainer	6
7	Retaining Bolt	7
8	Check Seat	8
9	O-Ring, Check Seat	9

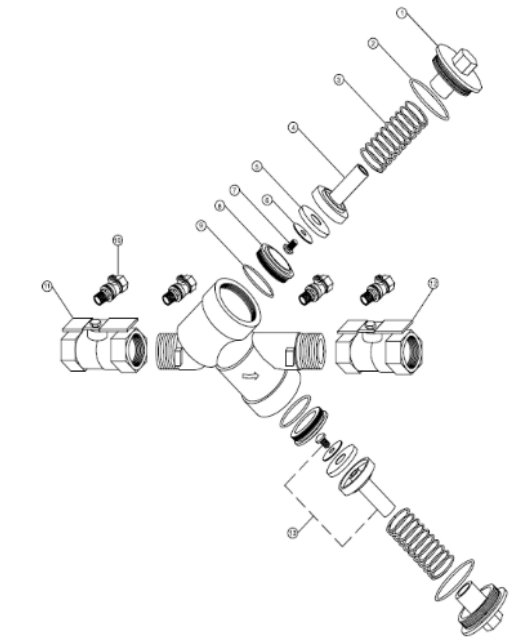
Whole Goods (Available for individual sale)

Item #	Item Description	3/4"	1"	1 1/4"	1 1/2"	2"
10	Test Cock	10-060XL	10-060XL	10-060XL	10-060XL	10-060XL
11	Ball Valve, Tapped	34-450T	1-450T	1 1/4-450T	1 1/2-450T	2-450T
12	Ball Valve	34-450V	1-450V	1 1/4-450V	1 1/2-450V	2-450V
	Check Seat Tool (set)	BRK34 SEATTOOL		BRK1 1/4 SEATTOOL		BRK2 SEATTOOL

Item No.	Repair Kit Description	Item No.	Repair Kit Description
BRK34-950XL	Standard Repair Kit, 3/4" and 1" 950XL	BRK1 1/4-950XL	Standard Repair Kit, 1 1/4" and 2" 950XL
BRK34-950XL2	Complete Repair Kit, 3/4" and 1" 950XL	BRK1 1/4-950XL2	Complete Repair Kit, 1 1/4" and 2" 950XL
BRK34-950XL1	Rubber Repair Kit, 3/4" and 1" 950XL	BRK1 1/4-950XL1	Rubber Repair Kit, 1 1/4" and 2" 950XL
BRK34-950XL2K	Repair Kit, W/Seals 3/4" and 1" 950XL	BRK1 1/4-950XL2K	Repair Kit, W/Seals 1 1/4" and 2" 950XL
BRK34-950XL1K	Repair Kit, Check Cover 3/4" and 1" 950XL	BRK1 1/4-950XL1K	Repair Kit, Check Cover 1 1/4" and 2" 950XL

MODEL 950XL

Double Check - Backflow Preventers 3/4" to 2"
Parts Drawing



400ST Series replacement success



Please share your success stories with us.