



May 1, 2025

VOLUME 52, NO. 09

CIRC 450

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**ASPE NEW YORK CITY CHAPTER**

PO BOX 293, GRAND CENTRAL STATION, NY, NY 10163

<http://www.aspenyc.org>

**MAY  
MEETING  
INFORMATION**

Topic: Pneumatic Supplies for Dry & Preaction Systems

Speaker: Sam Schwander

Sponser: Reliable

Date: May 7th, 2025

Location: The Tailor Public House & Kitchen - 505 8th Avenue

Time: Dinner Served: 5:30pm

Technical: 5:30-6:30pm

Social: 6:30-8:00pm



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# A Message

## FROM THE PRESIDENT

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Members of the NYC Chapter,

We are looking forward to the 2025 NYC ASPE Plumbing and Fire Protection Exposition on May 15th. There will be great displays and many different manufacturers to learn from, food, drinks and prizes! Be sure to get there early for the door prizes!

We held our AYP event at Electric Shuffle on April 17th. It was a great time with some fierce competition! Hopefully you would have been able to check out some of the nights events on our Instagram. You would have seen Alberd Misku pull away with the victory.

Every two years we hold elections for the board of the NYC chapter. The next election will be in June 2025, for the 2025-2027 board. Ballots are due back by May 29th and can be found on the next page of the newsletter. The two candidates for Correspondence Secretary will be making speeches at the May meeting.

Best Regards,  
Robb Risani, P.E., CPD

A promotional poster for the Plumbing and Fire Protection Exposition 2025. The background is a stylized cityscape with various skyscrapers and the Statue of Liberty. The text reads: 'Plumbing and Fire Protection Exposition Thursday, May 15 2025'. At the bottom, it says '4 - 8 p.m. // Jacob Javits Center River Pavilion Visit [aspenyc.org](http://aspenyc.org) for more information.' There is also a '50' logo with '1975 - 2025' and the ASPE logo (American Society of Plumbing Engineers - NEW YORK CITY).



## 2025 – 2027 NYC ASPE Board of Officers

POSITION	CANDIDATE	CHECK ONE
<b>PRESIDENT</b>	Sean Mooney, CPD, LEED G A (Write in) _____	_____ _____
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<b>CORRESPONDENCE SECRETARY</b>	Frank Wu, P.E.  Alberd Misku, CPD  (Write in) _____	_____  _____  _____

Ballots must be received by May 29th, 2025  
 Emailed to: [NY.ASPE@GMAIL.COM](mailto:NY.ASPE@GMAIL.COM)

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Membership ID No: \_\_\_\_\_

For more information please reach out to:  
 Mike Ford  
 Leader, Engineering & Commercial Plumbing Mechanical  
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## GROHSAFE 3.0 PRESSURE BALANCE VALVE WITH INTEGRATED DIVERTER

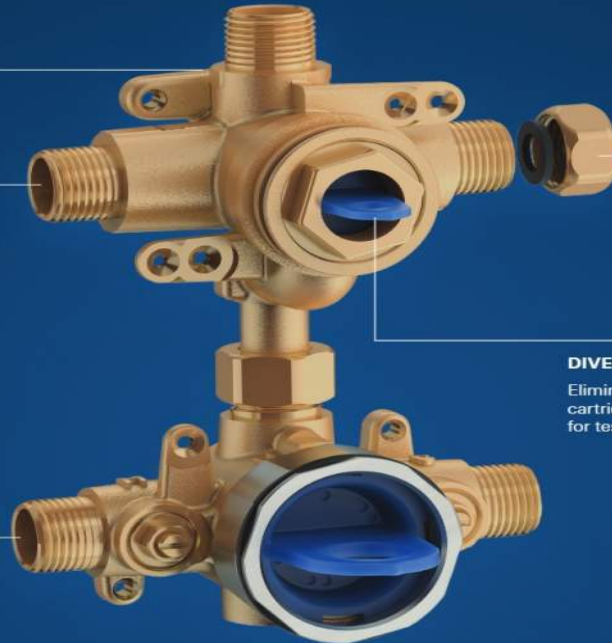
new

### FLAT BACK

Easy & solid installation allows the valve to be mounted flush with the cross brace

### ALIGNED INLETS & OUTLETS

Eliminates potential for misaligned piping & rough-in mistakes from different cross brace depths



### 2-WAY & 3-WAY CONVERTIBLE

Use same valve body for both 2-way & 3-way applications

### DIVERTER TEST CAP

Eliminates need to remove cartridge during installation for testing & flushing lines



### DynaClean Wiper Spring

DYNACLEAN, our exclusive, self-cleaning technology, cleans the refill orifice with every flush, and helps prevent valve run-on. The integral wiper spring keeps the orifice clear of debris and mineral build-up for improved performance and less maintenance.

### EvoLast Diaphragm

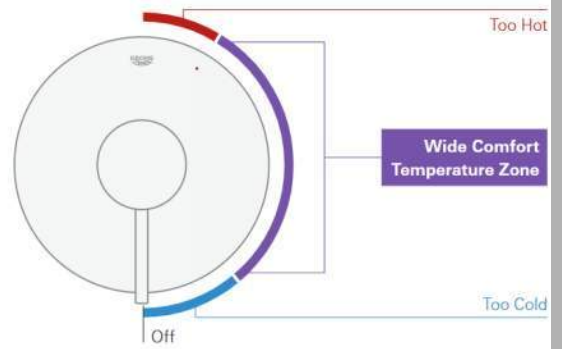
EVOLAST, a premium, chlorine-resistant diaphragm material delivers consistent performance and resists premature deterioration and failure.

### EASY RETROFIT, ENHANCED PERFORMANCE

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Ultima Diaphragm Assemblies can be installed in diaphragm flush valves from other major manufacturers, making it easy to improve performance and ensure reliability in existing applications.

### GROHSAFE 3.0 PRESSURE BALANCE VALVE



Thermostatic 1070\_TMV



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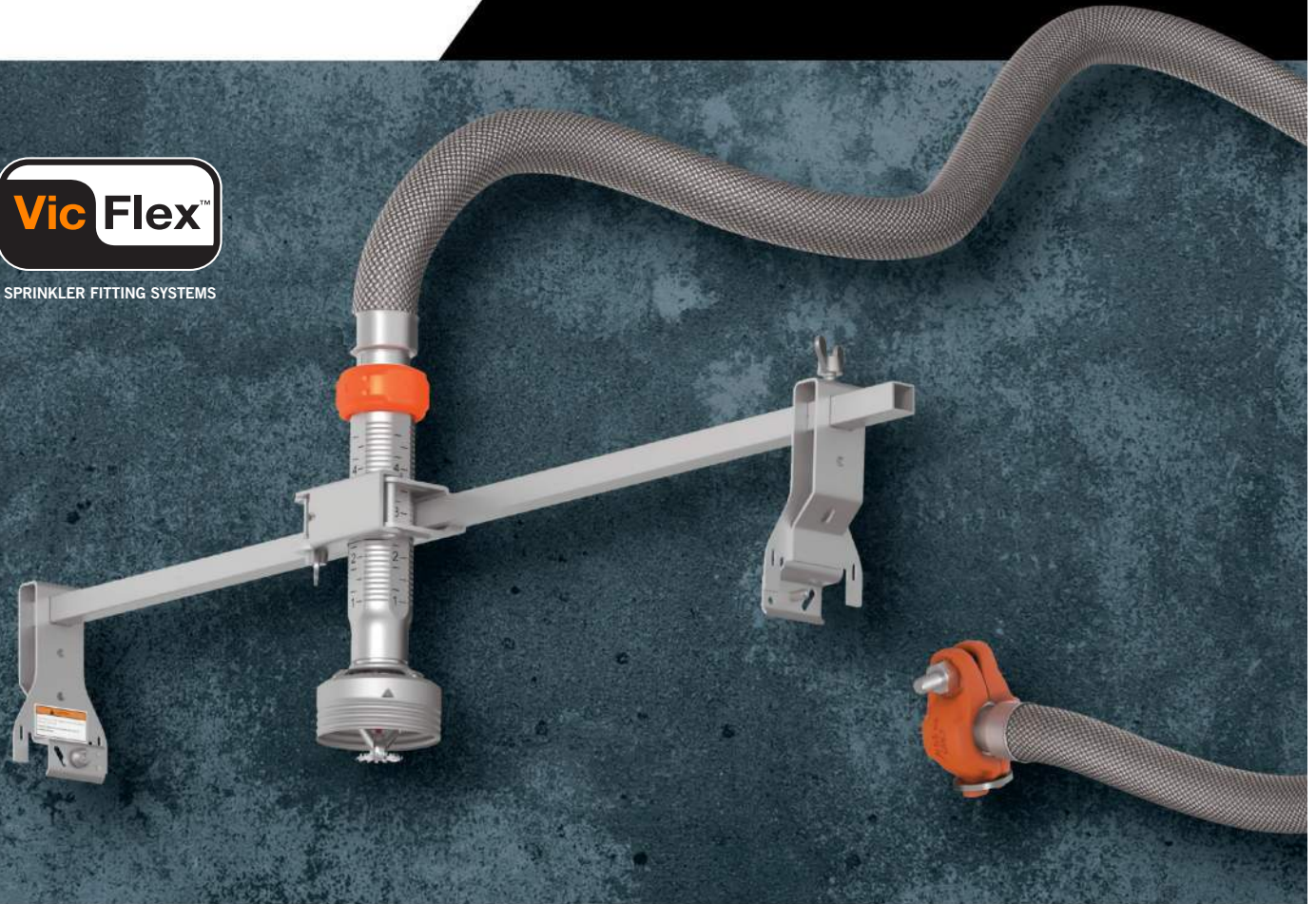
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## Constellation™ Lavatory System

- Constellation offers **high-level designs**, elevating the look of the space to bring that residential aesthetic into the commercial environment.
- Coordinated designs and pre-built **bundles help to simplify specifying and pricing**.
- Innovative handwashing stations are **easy to clean, install, and maintain**. The system has lockable doors that make components underneath the deck easily accessible.
- Constellation touchless faucets and soap dispensers feature **advanced sensor technology that deliver reliable, responsive actuation**.
- Thoughtfully designed with **ample dry space** where water splash is kept off you and your belongings.

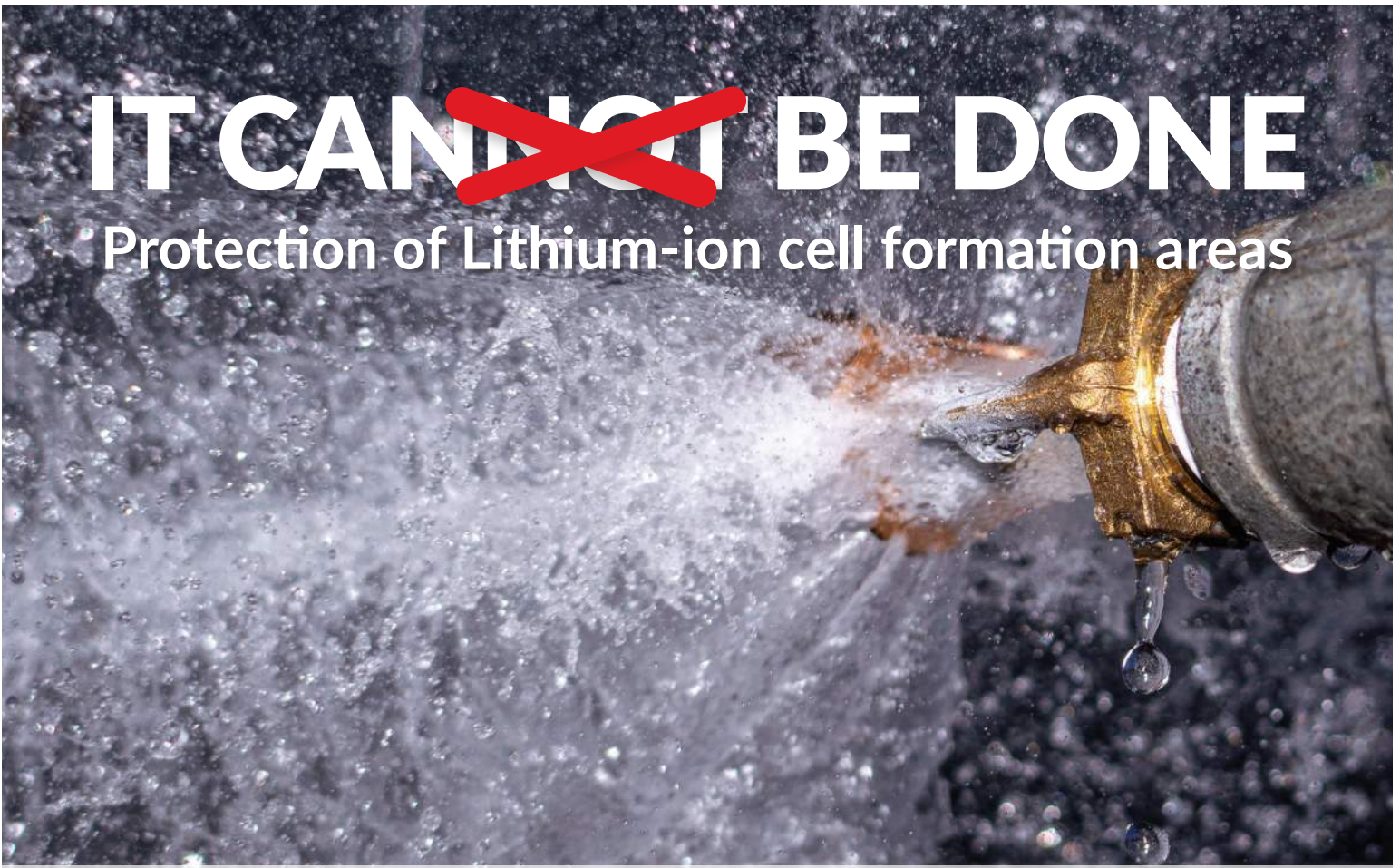
Constellation Lavatory System

Kohler Commercial 2024 Line Book  
(Full Product Portfolio)



# IT ~~CANNOT~~ BE DONE

Protection of Lithium-ion cell formation areas



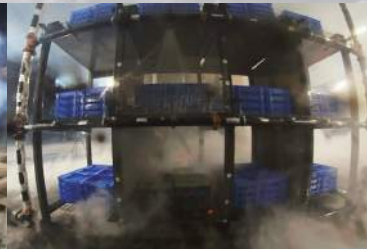
Li-ion test setup



Thermal runaway



Suppression



Extinguishment

**Introducing the LB11 sidewall storage sprinkler for the protection of Lithium-ion manufacturing and storage.**

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## Temperature Control AND High Temperature Safeguard! "... And the two shall be as ONE."

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- 3-Way Stainless Steel Electronic Tempering Valve and Actuator that meets the California lead-free standards.
- Temperature Monitoring Control- High Temperature Safeguard with Solenoid Valve
- Remote Communication capability via Internet or BACnet

### Safety that Endures

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With remote communications capability (via the Internet or BACnet) these alarms and other control points can be seen and accessed via the internet or an energy Management System.

These interactive components build a foundation for long-term safety.



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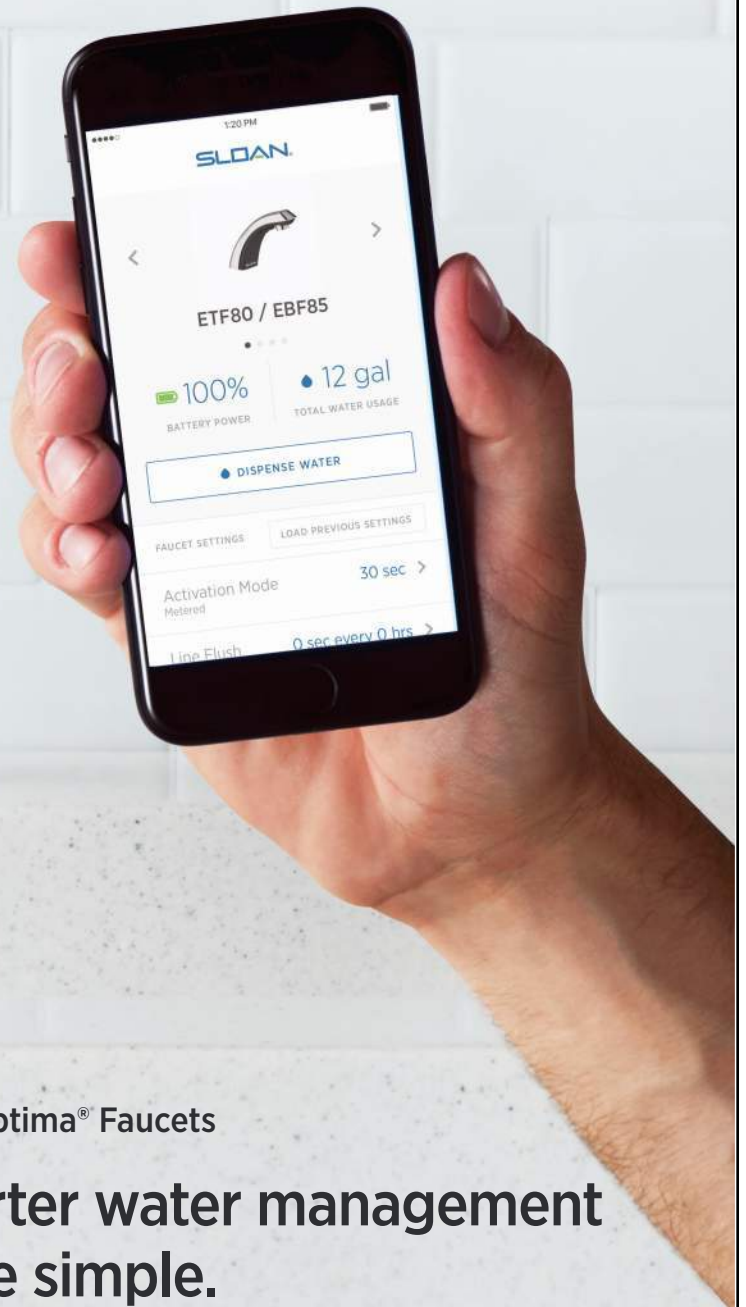
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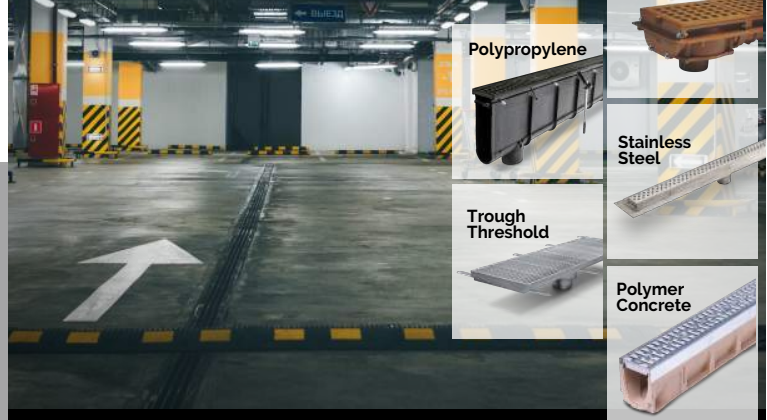
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#### Simple, Compact, Durable Low-Cost Design

The MPAV/Pall filter housing design is extremely compact with no internal moving parts and nothing to fail other than replacing the cover gasket seal every few years.

#### Adjustable Filter Rating

The Pall filter rating can be easily adjusted (either finer or coarser) by installing elements with a different micron removal rating after each routine disposable filter element change-out.

#### Predictable Filtration Performance

MPAV/Pall filter cartridges have a known single-pass micron particle size removal rating that does not change while in service because they use a depth style filter media that is effective at capturing particles in a single-pass no matter their shape, unlike mesh strainer filter designs.

#### Minimizes Bacteria Growth

When Pall elements are changed every few months the housing can be easily flushed out, cleaned, and disinfected to eliminate any sludge deposits where bacteria can grow.



#### APPLICATIONS.

- New construction or retrofit applications
- High flow and low flow applications
- Incoming city water and domestic hot water systems
- Filters sized to limit clean pressure drop to <2 psid



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- **Riello** - Instantaneous Gas-fired Water Heaters
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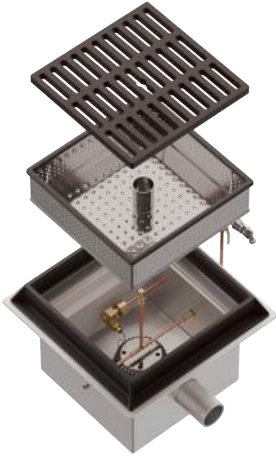
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# On-Demand Pollution Solutions

On-Demand Products for Automatically Diverting Wash Water to Sewer and Rainwater to the Storm Drain.



## WDS-WDTS4x4CW



Trash can washout is no longer a polluting problem. Simply place the inverted trash can on the cast iron grate, turn on the water and like a flash, the trash can is clean.

The wash area is also clean because the pit-mounted diversion valve automatically opens with water use, diverting contaminated trash can wash water to the sewer. Stormwater goes to the storm drain when the transfer valve is closed.

## WDS-BDPSWTS



Engineered for outdoor showers that require separation between wash water and rainwater. The Beach, Deck and Pool Shower System offers a seamless solution, where wash water is efficiently directed to the sewer system, ensuring that soaps, shampoos, suntan lotion, and other contaminants are properly processed.

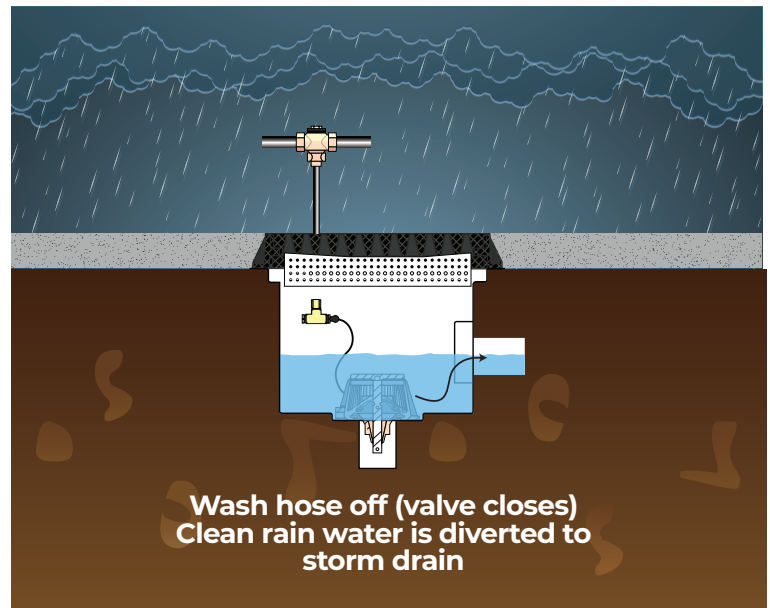
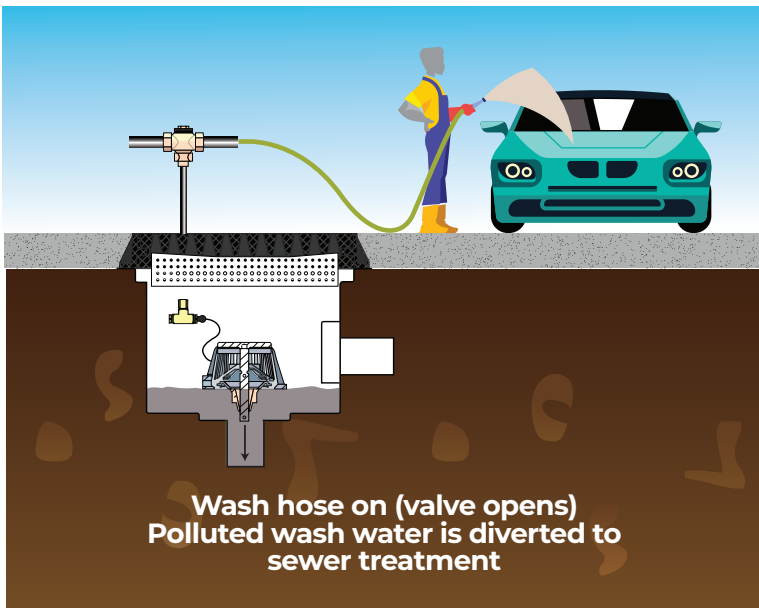
Simultaneously, it redirects rainwater to the storm drain, preventing any cross-contamination.



**Against Defects in Materials or Workmanship**

## Automatically send washwater to sewer and clean water to storm drain

**Treat Washwater NOT Clean Rain Water**



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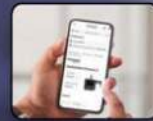
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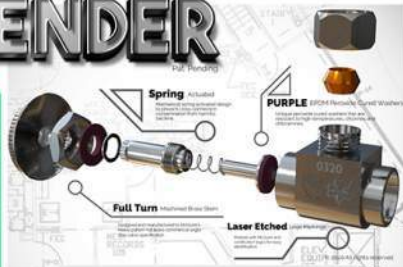
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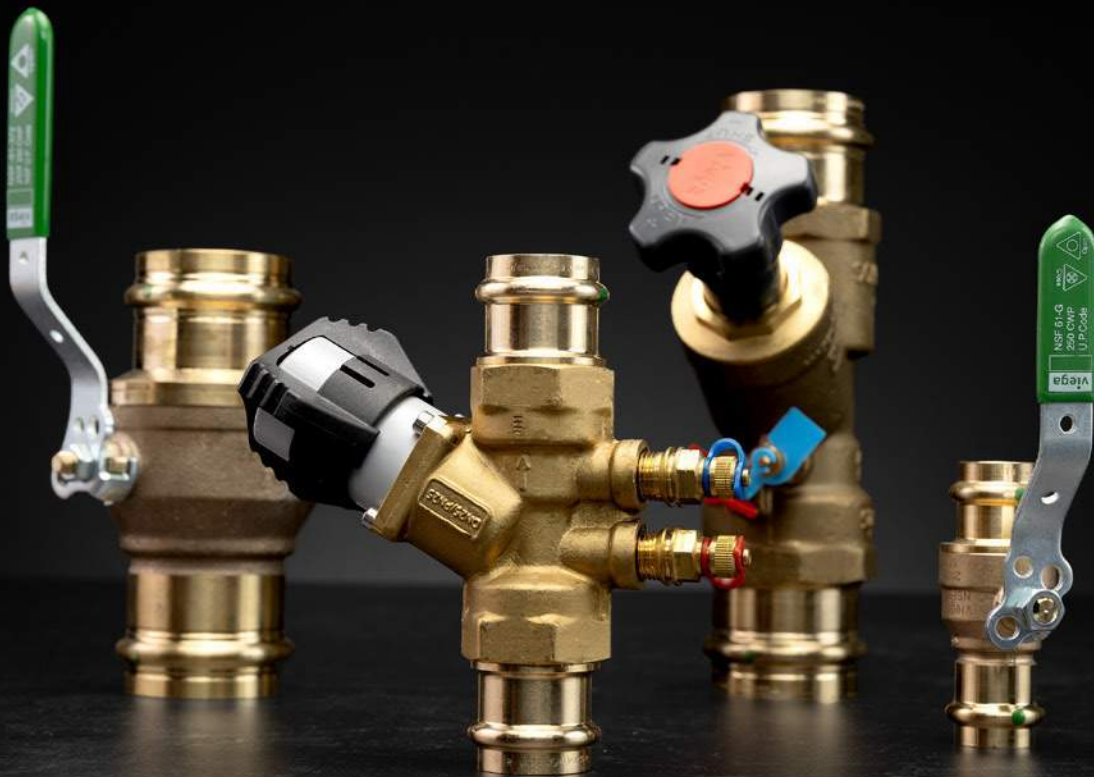


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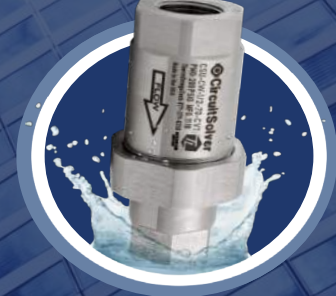
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Richard Toder	1980 - 1981	Anthony Merlini	2005 - 2007
Vincent Pantuso	1981 - 1983	Hershel Weiss	2007 - 2009
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Jose R.Baz	1985 - 1987	Philip Parisi	2011 - 2013
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Fred Barber	1989 - 1990	Salvatore Rachiele	2015 - 2017
Frank St. George	1990 - 1992	Jared Donnhammer	2017 - 2019
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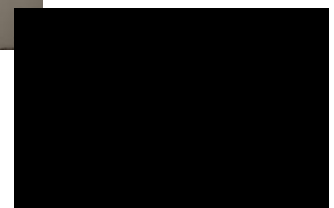
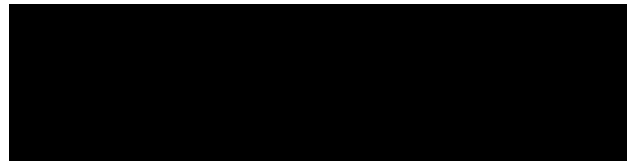
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Joanna Covello	Des Murphy
Thomas Cunningham	Gemini Nazareno
Reshad Farauk	Jared Pennings
Michael Gordon	Miad Rouhani
Michael Jensen	Bill Urban
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John Kelley	George Wehnert
Taras Kitseliuk	Tyrone Wells
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## MAY BIRTHDAYS! BEST WISHES FROM NYC ASPE

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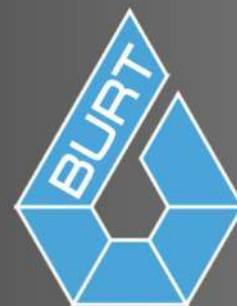

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# APRIL MEETING MINUTES

The April meeting presentation was initiated by Steve, who welcomed everyone and gave updates about some upcoming events. The 2025 ASPE Trade Show will be taking place on May 15<sup>th</sup> at the Javitz center, and we have opened registration for all. Anyone wanting to find out more information should go to our website or reach out to any of the board members. Members were also reminded that the 2025 ASPE Symposium will be taking place this year from September 24<sup>th</sup> to the 28<sup>th</sup>, in Orlando, Florida. Finally, Steve announced that the annual fishing trip which has now been scheduled for September. For those interested in AYP, there is a Shuffle Board outing event on Thursday, April 17<sup>th</sup>. Finally, before the commencement of the presentation, Steve reiterated the effort that our presenters put into each meeting and asked that they be given the quiet and attentiveness they deserve.

## **Technical Presentation: Specifying for Safety by Ryan Pfund**

**Importance of Emergency Eyewash and Shower Equipment** - Ryan began by explaining why emergency fixtures are vital in facilities where people are at risk of chemical exposure or contamination. He cited data from the Bureau of Labor Statistics that emphasized the prevalence of chemical exposure and eye-related injuries in U.S. workplaces. It was stressed that in such cases, the first 10 to 15 seconds after exposure are critical for reducing injury severity.

**Regulatory and Code Compliance** - The presentation reviewed applicable regulatory frameworks including:

- OSHA 29 CFR 1910.151(c), which mandates that "suitable facilities" for quick drenching or flushing must be available where corrosive materials are handled.
- While OSHA regulations do not define specifics, they defer to ANSI/ISEA Z358.1 as the industry standard for compliance.

Ryan explained the roles of federal and state OSHA bodies and emphasized that OSHA inspections can be random or triggered by complaints or incidents. Failing to comply may lead to warnings, fines, or facility shutdowns.

**Overview of ANSI/ISEA Z358.1-2019 Standard** - This standard sets the benchmark for emergency eyewash and shower equipment performance and installation. The key takeaways included:

- Types of covered equipment: plumbed and self-contained eyewash stations, eye/face washes, combination units, and supplemental equipment.
- Flush duration: A minimum of 15 minutes of continuous flushing is required.
- Flow rates: Equipment must deliver specified flow rates—0.4 GPM for eyewashes, 3.0 GPM for eye/face washes, and 20 GPM for showers.
- Activation requirements: Units must activate within one second and remain hands-free during use.
- Simultaneous functionality: Combination units must allow both components (shower and eyewash) to operate at the same time without sacrificing performance.

**Installation Guidelines** – Ryan provided guidance on optimal installation practices:

- Location: Units must be reachable within 10 seconds or 55 feet of the hazard, on the same level, and without any obstructions.
- Visibility: Fixtures should be installed in well-lit areas with prominent signage.
- Heights: Showers must be installed between 82–96 inches from the floor, and eyewashes between 33–53 inches.
- Shut-off valves: Must be designed to prevent unauthorized deactivation during emergencies.

**Tepid Water Requirements** - A significant portion of the session was dedicated to explaining tepid water compliance, defined as water temperatures **between 60°F (16°C) and 100°F (38°C)**. Tepid water is crucial to prevent thermal shock, hypothermia, or chemical absorption acceleration. Various solutions were discussed:

- Thermostatic Mixing Valves (TMVs): These devices maintain water within the required temperature range and ensure uninterrupted cold water supply in case of hot water failure.

- Tankless Electric Water Heaters: These systems offer on-demand heating, are space-saving, and include digital controls and safety limits to prevent scalding.

**Maintenance and Training** - the necessity of ongoing equipment maintenance and personnel training to ensure compliance was emphasized. This includes:

- Weekly activation of plumbed equipment to verify readiness.
- Weekly visual inspection of self-contained units.
- Annual inspection and certification to ensure continued ANSI/ISEA compliance.
- Use of inspection tags and maintenance logs was encouraged for documentation.

The environments where emergency equipment is essential, includes:

- Industrial and manufacturing plants dealing with solvents, acids, and dust.
- Laboratories handling biological and chemical hazards.
- Educational institutions, particularly in science labs.
- Healthcare facilities, where infectious agents and cleaning chemicals are present.
- Housekeeping and janitorial closets using bleach and caustic cleaners.

**Product Solutions from Bradley Corporation** - Ryan provided a brief overview of Bradley's product line including:

- Combination units, enclosed safety showers, drench hoses, and personal wash stations.
- Thermostatic mixing valves and electric tankless water heaters for tepid water delivery.
- 3D BIM and Revit models to assist with accurate project specification.
- Lavatory systems, sensor-operated faucets and dispensers, and washroom partitions.

Members were thanked for their attentiveness and respect for the presenter, and are encouraged to visit [aspenyc.org](http://aspenyc.org) where the presentation is uploaded to or contact Ryan Pfund at [ryan.pfund@bradleycorp.com](mailto:ryan.pfund@bradleycorp.com) for more information.



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