




THE JOYCE AGENCY PRESENTS

# Continuing Education Courses

## 2023 Catalog

 [training@thejoyceagency.com](mailto:training@thejoyceagency.com)

 [www.thejoyceagency.com](http://www.thejoyceagency.com)

 AIA, ASPE, ASID, GBCI, IDCEC, NARI,  
NKBA, ASCE, ABPA, NRWA, AWWA,  
USGBC, HSW, ADA, PDH



## **Designing, Commercial Restrooms with Hygiene, Safety, and Wellness in Mind**

**Credits: AIA/HSW, IDCEC/HSW, NARI, ASPE**

In this course, participants will learn about designing the ultimate commercial restroom. The course will discuss the essential items of a commercial restroom and the questions to ask in order to specify the right products. We will review in detail the importance of a proper toilet seat and the benefits it offers to the users and maintenance staff. Finally, participants will explore installation guidelines and requirements to create the ultimate commercial restroom that promotes health, hygiene, safety, and wellness.



## **Bidets: Water Does it Better**

**Credits: AIA/HSW, IDCEC/HSW, NARI, ASPE**

As bathroom routines evolve as we age, it's important to specify toilet equipment that can handle every user's needs. In this course, we examine the bidet seat and how it can transform life for every age of users. We will discuss the needs of different age groups, genders, and those the experience mobility issues. After learning about the newest technology in bidet seats, you'll be left wondering why anyone would choose to keep their bathroom habits the same.



# BRADFORD WHITE<sup>®</sup>

WATER HEATERS



## Water Heater Venting Fundamentals

Credits: ASPE

This course will discuss the fundamentals of combustion and the ventilation of gas appliances. We will review the four different types of ventilation and list the products of gas combustion. Finally, we will touch on common problems with the ventilation associated with gas water heaters and some examples of proper water heater vent configurations.



## Understanding Heat Pump Water Heaters: Impacts and Opportunities for Residential and Commercial Applications

Credits: ASPE

This presentation will focus on the emerging heat pump water heater technology and why this technology is being heavily promoted to efficiently heat water. The course will provide an understanding of how the technology works, including sizing and recommended installation locations. You will gain a basic understanding of how heat pump water heaters operate and why they are getting industry attention. Differences between commercial and residential applications will be discussed.

# CHARLOTTE

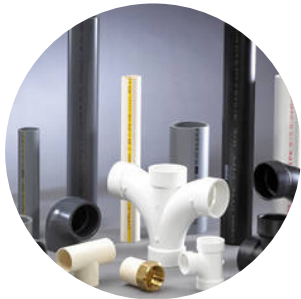
## PIPE AND FOUNDRY COMPANY



### Cast Iron Coatings for Aggressive DWV Application

**Credits: ASPE**

This session will provide a short history of cast iron soil pipe and will briefly discuss joining methods. The majority of the session will cover various enhanced coatings and aggressive DWV situations. The session will conclude with a hands-on demonstration on cutting and maintaining the integrity of the enhanced coating during installation.



### Special Waste Piping Systems

**Credits: ASPE**

This course provides a general understanding of the different types of laboratories that are designed and designated for "Special Waste" product applications. It will give the participant knowledge in when and why one specifies special waste systems and the applicable codes and standards. It will detail Bio-Safety levels in labs as well as specific products used for special waste piping, their installation methods and fire resistive properties.



### Starter Fittings

**Credits: ASPE**

This course provides an understanding of the use of starter fittings in plumbing design. One will gain knowledge in order to apply starter fittings in a multi-story building design in order to save space and create efficiencies in design and installation. The various configurations of fittings, available components and installation methods will be learned as well as the suitable applications to be considered.



### Value Engineering

**Credits: ASPE**

This course defines Value Engineering in construction and details the numerous considerations as they relate to the cost and function of a commercial DWV piping system. Basic material differences with cast iron and PVC DWV systems will be conveyed as well as how they apply to different types of buildings. The different installation methods and requirements will be learned as well as how they relate to the many dynamics of an overall project cost. The participant will gain an understanding of where and when to use each type of product and why.



### History of Cast Iron

**Credits: ASPE**

This course provides a comprehensive overview of a cast iron soil pipe system. It provides a history of its use, various applications, types and sizes within its above and below ground systems. Best practices for installing the system are reviewed as well as known coating methods for the system.



## **Optimizing Small Bathroom Spaces**

**Credits: AIA/HSW, IDCEC/HSW**

This course focuses on strategies for getting the most out of every inch in the bathroom using fixtures and furniture specially designed to fit and function well in small spaces. Participants will learn to apply space-saving, multi-functional combination units to create the utmost in bath hygiene, efficiency, comfort and style.



## **Lighting the 24-Hour Bathroom: Options for Health, Comfort and Sustainability**

**Credits: AIA/HSW, IDCEC/HSW**

This course explores the potential for LED bathroom lighting for occupant well-being, and helps architects and designers specify LED lighting for sustainability, occupant health, and safety, and to appeal to the emotions.



## **Smart Bathrooms - How Material Science and Technology Are Advancing Bathroom Design**

**Credits: AIA/HSW, IDCEC/HSW**

Well-designed bathrooms with high-quality materials and smart technology provide numerous advantages for users, whether in luxury residences or commercial buildings. This course will discuss high quality, innovative bathroom products and their advantages, including occupant well-being, safety, accessibility, sustainability and increased home values. The course will also cover the four activity areas in the bathroom in relation to material science, technological advancements and smart design.



## **Sleek Design in Public Spaces**

**Credits: AIA/HSW, IDCEC/HSW**

This course will help architects and designers understand that meeting water-saving, access, and health and safety requirements for bathroom fixtures and furnishings does not have to come at the cost of sleek, contemporary design.



## **Sensational & Compliant: Accessible Design for the Hospitality Industry**

**Credits: AIA/HSW, IDCEC/HSW**

The participants will learn how ADA Law came into being, what it is, who regulates it, who benefits from it, and how it impacts design for sanitary plumbing and facilities in the hospitality industry, specifically in the sleeping units (not common areas) of transient lodging.



## **Universal Design: Designing for My Future Self**

**Credits: AIA, IDCEC/HSW**

This course provides a basic intro into universal design. It examines the seven general principles of universal design, why it is important in today's design of residential and commercial projects, and ways to stylishly implement it in today's kitchen & bath applications.



## **Rethink Water Heating: Save Energy, Water, and Space**

**Credits: AIA, ASPE**

The challenge for plumbing design professionals is finding the right balance between performance and efficiency in water heating systems. A review of plumbing code requirements and insights into specification considerations will be shared. This course will identify types of water heating technologies with a focus on Tankless Electric Water Heater (TEWH) function and design.



## **Tepid Water: Safety System Considerations**

**Credits: AIA, ASPE**

This course presents current OSHA and ANSI standards as they relate to tepid water, with an overview and comparison of current water heating technologies.



## **Effective Handwashing: The Importance of Effective Handwashing and Its Impact on Global Health**

**Credits: AIA, ASPE**

Designing public handwashing solutions that are code compliant, with reliable performance and efficiencies in water and energy use, can present several challenges to both architect and plumbing engineer. This course will review current plumbing codes, public health agency guidelines, and regulatory statutes. Insights into specific water heating technologies and systems designs will be covered.



## Rethink What You Drink

**Credits: AIA, ASID, IDCEC, NARI, NKBA**

An adequate supply of safe drinking water is one of the major prerequisites for a healthy life. Today's smart and sophisticated kitchens require careful design detailing when it comes to water delivery systems. While many architects and designers do not provide water delivery expertise, it is highly valued by today's consumers. This course addresses the details of water delivery options, particularly the benefits of water filtration systems, in order to be well-versed and creative when including them in kitchen design. Design insights, as well as the details of specifying inventive water delivery systems, will be highlighted.



## Stainless Steel: Beauty & Durability for Every Home

**Credits: AIA, ASID, IDCEC, NARI, NKBA**

Explores the differences between stainless steel and other steel alloys. Provides a brief but detailed proposal of factors that should be considered when specifying a residential kitchen sink. Different physical and chemical properties are examined as well as a variety of manufacturing methods and additional topics. An overall focus on specifying sinks through knowledge of material grade and quality and manufacturing processes in order to create real value and ensure client satisfaction.





# The Mechanics of Design: Insights into Wall-Mounted Toilet Systems



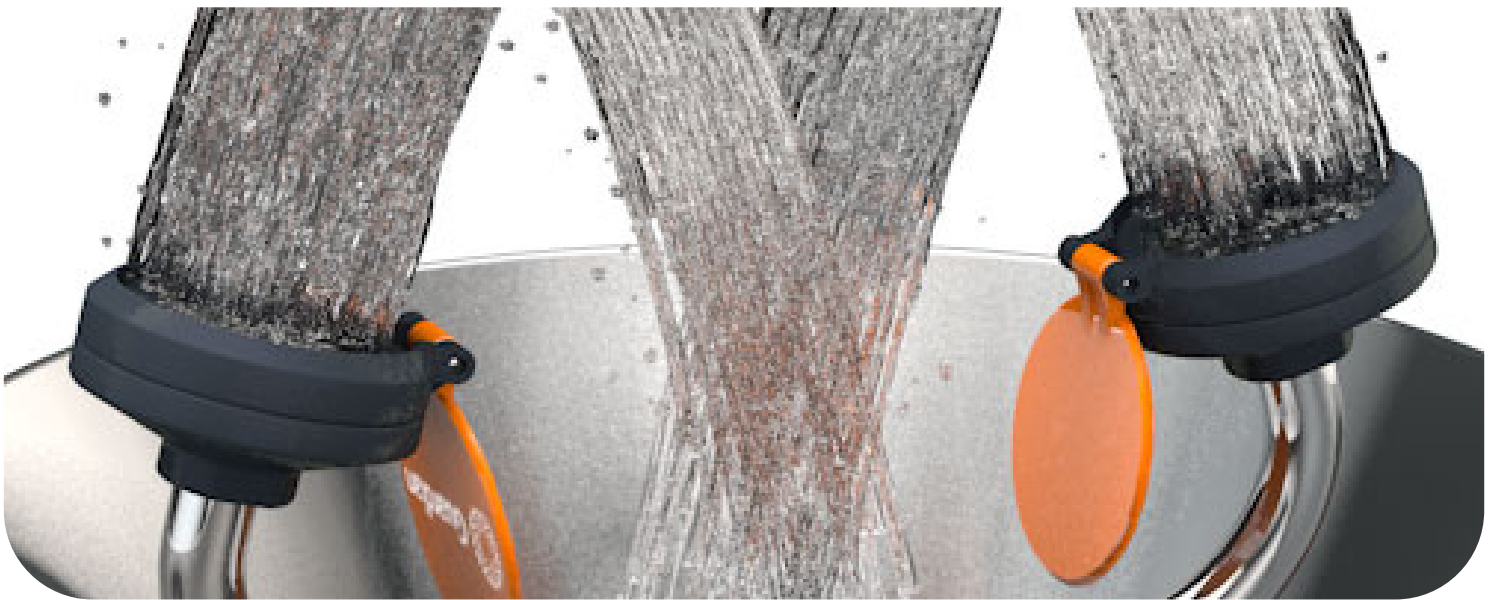
## **Credits: AIA/HSW, IDCEC/HSW**

This course compares wall-mounted toilets with other types of toilets, discusses how wall-mounted toilets benefit commercial and residential users, and explains how they satisfy the Americans with Disabilities Act (ADA) and other accessibility and building code requirements.



Guardian

# Safety First! Specifying Emergency Showers and Eyewashes



## **Credits: AIA, ASPE**

Participants will learn the different emergency eyewash/shower products, the roles and responsibilities of a specifier/designer, and the design challenges and solutions for specific applications. We will also discuss the Occupational Safety & Health Administration and the National Standards Institute general and specific guidelines and requirements.



## **It's a Thirsty World Part II**

**Credits: AIA, IDCEC, ASID, NKBA, NARI**

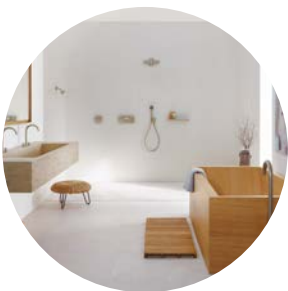
The world's endless thirst for water has put great strains on the earth's fresh water sources, restricting the natural water cycle from replenishing them. Thirsty World will explore how Agriculture, Industry, Human demands, and this country's aging infrastructure have created these strains. We will discuss new government regulations which preserve water, observe design and product solutions to save both water and energy, and discover the technology that is driving performance in water saving products.



## **Compact Luxury: Exploring the Future of Urban Living**

**Credits: AIA/HSW, IDCEC/HSW, NARI, NKBA, GBCI**

This course will discuss the changing priorities in lifestyle and access to materialism and ownership – the definition of 'high-end', particularly in the context of city living. We will uncover the major influences of urbanization, which have a deep and lasting impact on the way we think about our ever-shrinking living spaces in the future city. The course explores the social, cultural, and technological forces that are shaping these trends, reveal the drivers behind the emergence of new behaviors, and uncovers the future Compact Luxury innovations that they will inspire.



## **The Evolving Future of Luxury**

**Credits: AIA/HSW, IDCEC/HSW, NKBA**

This course will explore the state of the market, how wealth is defined, and the evolving luxury consumer. We will discuss how these influence the luxury consumers of today and tomorrow as they continue to become more conscientious about their purchase habits, especially for the home. Lastly, this course will explore how this impacts the luxury wellness and sustainability-focused bathroom of the future.



## **Curbless Shower Design**

**Credits: AIA/HSW, IDCEC/HSW, NARI, NKBA, ASPE**

This course provides an in-depth examination of a linear drain system in a curbless shower setting. It delves into the Seven Principles of Universal Design, different types of drains, design considerations, layout techniques, construction methods, waterproofing solutions, and potential issues and solutions. The course explores the possibilities of creating a barrier-free shower area and assesses the advantages and disadvantages of different installation options. It also examines how to incorporate modern design elements into a barrier-free environment while maintaining compliance with Universal Design principles.



## **ADA Showers Using Linear Drains**

**Credits: AIA, ASID, IDCEC, NARI, NKBA, ASPE**

This course examines the use of linear drains and its design and construction of zero barrier entry, ADA, and Universal Design showers. The course will cover design, layout, construction, waterproofing methods, and potential problems and solutions. We will explore the options of creating a barrier-free environment and how it can be customized to include modern design elements while keeping in line with Universal Design.



# Therapies for Wellness



## **Credits: IDCEC, ASID, NKBA**

This course identifies the various water therapies available and presents their importance in contributing to the lives of those who are pursuing holistic wellness. Additionally, various sensory therapies are described, with an explanation of how they can contribute to wellness and be combined with the various water therapies.



## **Sustainable Materials for the Bath**

**Credits: AIA, IDCEC, ASID, NARI, NKBA**

The triple bottom line approach to sustainability requires thinking of the world as an interconnected system of economic, environmental, and social well-being. Choices can be made to select home furnishings made from durable, recycled, recyclable, rapidly renewable, and/or reclaimed materials from companies who work to improve the lives and livelihoods of others. This course looks at recycled copper, sustainably made concrete, FSC®-certified bamboo, and reclaimed wood used in bath fixtures and furniture handmade by skilled artisans.



## **Artisanal Craft in Sustainable Spaces**

**Credits: AIA, IDCEC, ASID, NARI, NKBA**

This presentation celebrates the value of incorporating artisanal, handcrafted fixtures and furnishings into a building's design. Not only are these products unique, functional, and aesthetically appealing, but they can also establish a sense of connection with their maker. And because many of these products are made from sustainable, recycled or reclaimed materials that are locally available, they can help reduce the environmental impact of a new build. This course illustrates how sourcing artisan-made products for their projects can allow designers and builders to effect social, economic and environmental change.



# Drinking Fountains and Bottle Fillers in a Post-Covid-19 World



## Credits: ASPE/PDH

New learnings on how the Covid-19 virus spreads is leading to profound changes in how hydration will be delivered in the future. Health experts recommend drinking between 7-10 cups of water per day to stay properly hydrated. That's one reason why more school districts, public and private universities, hospitals and corporate offices are replacing traditional water fountain bubblers with touch-free electronic bottle fillers (EBFs). This course will provide an overview of important considerations when specifying drinking fountains and touch-free EBF's in your projects.



# New Innovations in Med Gas Piping



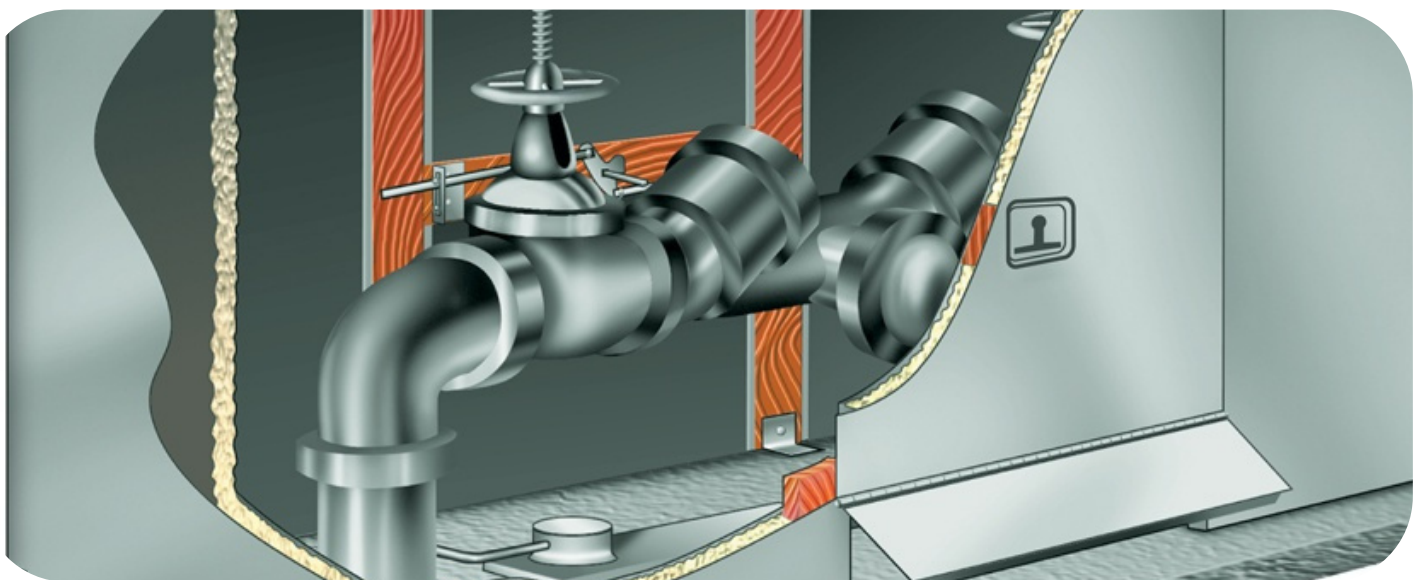
## Credits: ASPE

The 2018 edition of NFPA 99 introduced new items in medical gas systems that had never before been included. This presentation will look at how the new items are already benefiting facilities from the perspectives of design and engineering, installation, and hospital compliance.





# Best Practices in Backflow Preventer Installation and Protection



## **Credits: ASPE, ASCE, ABPA, NRWA, and AWWA**

This course will cover national and local trends in backflow preventer installation, the rapid growth of RPZ style backflow preventers versus double checks, and the dangers of confined space entry. Participants will learn the pitfalls of installing RPZ backflow preventers indoors, the benefits of above-ground installation, and the ASSE 1060 criteria and certification of heated enclosures. The course includes videos showing RPZ relief valves in full operation and discusses a wide variety of styles and aesthetics of heated enclosures.

## ADA Compliance for Accessories in Baths and Restrooms



### **Credits: AIA, ADA**

Part of the solution to compliance for Bath and Restroom accessibility is providing accessories that meet the required standards for and installing them within the proper guidelines. This Presentation is designed to identify those type of accessories that meet the challenge, and how they work to handle the responsibilities for ADA compliance.



## Exploring the Connection Between Net Positive, Carbon Neutrality, and the Water-Energy Nexus

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

More and more organizations want to take steps to minimize their environmental impact and improve society's well-being. This can be accomplished through sustainable building design, social accountability, and ethical economic conduct. To encourage these practices, this course examines a net positive approach to design and business operations.



## Exploring the WELL Building Standard and the Plumbing Industry's Role in Health and Wellness

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course explores v2 of the WELL Building Standard and how commercial restroom products can help designers achieve WELL v2 Certification. We will identify the plumbing industry's role in health and wellness and how reducing water consumption in commercial restrooms impacts the health and well-being of building occupants.



## Considerations for Accessible and Inclusive Design in Commercial Restrooms

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course reviews restroom design trends for commercial buildings by focusing on sink/lavatory system technology and the sustainability and accessibility trends surrounding them. We will discuss the expanding role architects and designers play in accessible designs – striking a balance between hand washing needs and design flexibility.



## Adopting Sensor Technology Throughout Commercial Restrooms to Optimize Hygiene and Sustainable Design

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course explores the history and cutting-edge advancements of commercial restroom sensor technologies, including faucets, flushometers, soap dispensers, and hand dryers, that can help projects optimize hygiene and meet sustainability goals.



## **The Importance of Improving Hygiene in Commercial Restrooms**

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course examines that when specifying commercial restroom fixtures, whether in new construction or renovations, project teams can be equipped to achieve goals regarding aesthetic design as well as improved hygiene. Incorporating these features into commercial restrooms is more important now more than ever before.



## **The Restroom of the Future: Designing Connected, User-Friendly, and Sustainable Commercial Restrooms**

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course examines the technological advancements, sustainable features, and design trends in the commercial restroom brought about by the emergence of the Internet of Things (IoT), sustainability initiatives, and forward-things restroom designs and innovative technologies.



## **Sink Selection for Sustainability and Accessibility**

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course covers considerations for specification of sink systems that are sustainable and accessible, including evaluating sink materials, styles, and components that can contribute to water efficiency, energy efficiency, and improved hygiene. Reviews ADA criteria, examines LEED credits, and WELL building criteria for commercial restroom design.



## Specifying Plumbing Fixtures for K-12 and Higher Education Facilities

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

This course covers factors that influence commercial restroom design for K-12 and higher education facilities, the specification process, product preference for new construction vs. retrofits, ADA compliance, water conservation and sustainability efforts.



## Selecting Plumbing Fixtures for Commercial Restrooms in Healthcare Facilities

**Credits: AIA/HSW, IDCEC, ASPE/PDH**

This course covers how healthcare facilities are dealing with diverse challenges, from the transmission of infectious diseases to the growing population of bariatric patients and how they can help address these challenges and provide a healthier, safer environment through the use of specialized plumbing products and features.



## Maximizing Water Efficiency for Sustainable Restroom Design

**Credits: AIA/HSW, IDCEC, ASPE/PDH, GBCI**

An overview of national water use and trends, with a focus on high-efficiency water saving products for sustainable restroom design, and green building program initiatives.



## Cross- Connection Control & Backflow Prevention

### Credits: ASPE

This course provides general education on the key elements of a cross-connection control program and the importance of backflow preventers and the protection and conservation of safe drinking water. Additionally, the course provides information with regard to the typical faults and failures associated with backflow prevention devices and assemblies and the various methods of troubleshooting and maintenance solutions to address backflow preventer faults and failures.



## Hydraulics of Backflow Detector Assemblies Types 1 & 2

### Credits: ASPE

This course will introduce Type I & II detector assemblies and discuss the difference in hydraulics between standard valves (Double Check Assemblies and Reduced Pressure Zone Assemblies) and their corresponding detector assemblies (Double Check Detector Assemblies and Reduced Pressure Detector Assemblies). Emphasis will be put on the advantages of the Type II assemblies, how to identify them in the field, and on agency listings and approvals.



## Irrigation Backflow Prevention Specification & Compliance

### Credits: ASPE

Explore the different types of backflow preventers used in fire sprinkler applications, relevant codes, and approvals. In this course, we'll review the benefits of using single detector checks, double check assemblies, double check detector assemblies, reduced pressure zone assemblies, reduced pressure detector assemblies, and flood detection considerations.



## Mitigating RPZ Backflow Discharge

### Credits: ASPE

A vital part of a Reduced Pressure Zone (RPZ, also known as a Reduced Pressure Principle or RP) Backflow Preventer is the relief valve. While this component is crucial to the operation and level of safety provided by the backflow preventer, in certain situations it will open and release potentially large quantities of water. Learning why this happens, how to determine the cause of an open relief valve, and measures you can take to both prevent large discharges of water and mitigate them.



## Drainage Systems for Hospitals and Medical Centers

**Credits: ASPE**

Behind every wall, under every floor, and in virtually every ceiling in a hospital you will find pipes. They are often overlooked because we rarely see them, but they could be described as the circulatory system of a building, delivering and disposing of vital fluids and gasses of the living and breathing environment.



## Improving Fire Sprinkler Safety with Backflow Prevention

**Credits: ASPE**

Explore the different types of backflow preventers used in fire sprinkler applications, relevant codes, and approvals. In this course, we'll review the benefits of using single detector checks, double check assemblies, double check detector assemblies, reduced pressure zone assemblies, reduced pressure detector assemblies, and flood detection considerations.



## Making Intelligent Drainage Choices for Ultra-Hygienic Applications

**Credits: ASPE**

This session will look at ways that hygienically designed drainage systems and an informed selection of drainage products (properly specified, installed, and maintained) can help mitigate the risk of contamination and corrosion. It will also address ways that well designed and constructed drainage can be cleaned with minimal water use and production downtime.



## Waste Drainage Systems for Plenum Spaces

**Credits: ASPE**

This course begins with a brief history of plenum codes, what they are, and where they are applicable. It covers materials used in the plenum space along with their pros and cons. It then discusses how other materials attempt to claim approval by modifying the code. Actual test results are reviewed and recommendations are provided to ensure proper code compliance.



## **Guidelines for Recommissioning Plumbing Equipment and Best Practices for Water Quality Post COVID-19**

### **Credits: ASPE**

There is an eagerness with business owners and government officials to bring our lives back to the normalcy of early 2020. The COVID-19 outbreak is showing signs of slowing down, and unfortunately, a different risk is now on the rise of opening dormant buildings with stagnant water systems. Several weeks of zero flow and tempered water can result in an increased risk of legionella, microbiological growth, heavy metals leeching, and increased corrosion within our plumbing systems.



## **Solutions to Help Control Legionella**

### **Credits: ASPE**

After years of research and development, the Centers for Disease Control (CDC) and the American Society of Heating, Refrigeration, and Air-Conditioning Engineers (ASHRAE) have developed protocols and standards to help avoid outbreaks using proper water management. That management requires that design professionals work with facility owners and create a specific water management plan for the facility. The successful implementation of that plan requires some specific water treatment solutions for reducing or eliminating the risk of an outbreak. This course will review the main solutions available along with some of the pros and cons of each.



## **The Intelligent Scale Solution: Template Assisted Crystallization**

### **Credits: ASPE**

The problem with water is that high concentrations of calcium and magnesium contained in the water can cause scale to form on pipes and water heating equipment. Scale increases equipment maintenance and causes premature mechanical failures resulting in significant loss in energy efficiency in water heating equipment. As an alternative to water softeners or chemical treatment, template-assisted crystallization (TAC) excels in scale prevention and meets even the most stringent environmental standards at a reduced cost.



## **The Science Behind Sanitary Design Food, Life Science & Healthcare Facility Safety**

### **Credits: ASPE**

Learn how stainless steel drainage solutions provides a hygienic, easy-to-clean, and long-lasting solution for your facility's drainage systems.

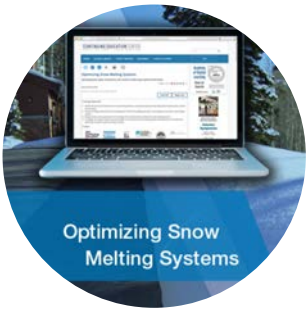




## **Control Strategies for Commercial Snow Melting**

**Credits: ASPE**

This session will look at how commercial snow melting systems and an informed selection of products and strategy - properly specified and installed - can improve facility safety, building efficiency, save snow removal costs and reduce maintenance. It will also explore various control strategies and address how to seamlessly integrate a snow melting system with a Building Automation System.



## **Snow Melting and Ice Prevention**

**Credits: ASPE**

This course is designed to give an overview of Hydronic and Electric snow melting applications for Commercial Properties. As liability, repair and maintenance costs rise, Snowmelt systems provide a solid option for snow and Ice removal for commercial properties. It provides information on reasons to consider a snowmelt, design considerations, various methodologies and financial considerations. It will also examine briefly control, panel and protections options as well as alternative tubing application options. It is intended to provide a fundamental overview of Snowmelt systems in Commercial applications.



## **Smarter, Safer Hot Water: Digital Thermostatic Mixing Stations**

**Credits: ASPE**

Specifying digital mixing and recirculation stations provide a sustainable measurement and verification system that conserves water, saves energy, protects users from hot water burns, and helps minimize the occurrence of Legionella in tempered water delivery system. There are many challenges when considering the overall integration of internal systems in sustainable high-performance buildings. Today, engineers, designers, and facility managers have new tools to directly measure, monitor, and deliver safer hot water systems due to new digital advances in hot water mixing and recirculation systems in commercial and institutional buildings.



## **Evolution of Mixing Valves & Hot Water Safety**

**Credits: ASPE**

Discuss how mixing valves are a safe way to control water temperature to mitigate the growth of Legionella, reduce the risk of scalding, and conserve water in a plumbing system.



## **Pressure Management for Water Loss in Public Water Systems** **Credits: ASPE**

A Water Loss Control Strategy is managing water pressure, which improves water efficiency and mitigates real water losses. The level of pressure management employed by a public water system (PWS) affects water leakage rates. Poor pressure management has been correlated with increased pipe failure rates.



## **Past, Present & Future of Specifications** **Credits: ASPE**

In this webinar, we will discuss collaborative tools to help your customers navigate complexities and challenges behind creating specifications. We will also focus on common issues faced by today's specifiers.



## **Wireless Water Leak Detection Systems for Commercial Buildings** **Credits: ASPE**

Learn the essentials on protecting your building from water leaks with "always on" wireless leak protection systems for commercial buildings.



## **Smart & Connected Solutions** **Credits: ASPE**

Smart and connected project planning tools, system solutions, and resources are improving the way engineers, contractors, and facility owners are conducting their daily business. With systems that speak to each other, we're achieving unparalleled levels of operational efficiency. Watch the Smart and Connected Solutions Webinar to learn how connected solutions are making it easier to select, specify, and configure solutions, and what this new wave of IoT-enabled products means for you.



## **New Technology in Backflow Prevention: The Future is Now**

**Credits: ASPE**

The world of backflow prevention is evolving every day. In the past, the only way to know there was an issue with your backflow was to run various tests. Now, you can monitor everything from a single app. This revolutionary advancement not only reduces water loss but also mitigates property damage and insurance costs.



## **Double Check ACVs for Water Transmission and Distribution Systems**

**Credits: ASPE**

In this presentation, we will examine Double Check Automatic Control Valves and how they operate. Then describe some of their features and discuss how they can help your system, like providing cost-effective solutions and understanding the effects of pressure.



## **Managing Water Main Breaks Effectively for Distribution Piping Systems**

**Credits: ASPE**

In this presentation, we will examine water main break Safety Shutdown Automatic Control Valves and how they operate. Then, describe some of their features and discuss how they can help your system.



## **Drainage Systems for Hospitals and Medical Centers**

**Credits: ASPE**

Behind every wall, under every floor, and in virtually every ceiling in a hospital you will find pipes. They are often overlooked because we rarely see them, but they could be described as the circulatory system of a building, delivering and disposing of vital fluids and gasses of the living and breathing environment.