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SEPTEMBER NEWSLETTER

TOPIC: VALUE ENGINEERING

PRESENTER: BJ SCHRADER-McWANE PLBG. GROUP

**WHEN: WED., SEPTEMBER 9
11:45 am - 1:30 pm**

WHERE: VIA ZOOM MEETING @

<https://moseleyarch.zoom.us/j/99104807529>

(highlight web address then right click & select Go To...)

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eric@bayassociates.com

GREETINGS FROM THE BOARD

President's Message

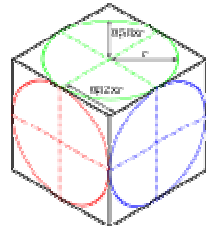
Welcome to a new, and albeit strange, beginning to our 2020-2021 ASPE Richmond Chapter Season. I'd first like to introduce you to a couple new members on our board; Mischa Zakhary and Eric Geisendaffer. Both bring a tremendous amount of knowledge and enthusiasm to the board and chapter. I look forward to seeing what we can accomplish this season, and the seasons to come, with their participation.

New to this season, and for obvious reasons, we will begin with virtual meetings via Zoom. By now, you all should have received a recurring invite for the Zoom meetings from me. If you have not, or accidentally declined all, please shoot me an email and I will be sure to forward the invite to you again so that you can accept. I'm sure there will be some growing pains that result from this so please have patience as we work out any kinks.

As always, if you have any questions or concerns, please do not hesitate to reach out to myself or anyone on the board.



Joshua H. Landis, CPD
President, ASPE Richmond Chapter



TECHNICAL LINE UP:

- **SEPTEMBER 9TH, 2020 (VIRTUAL VIA ZOOM)**
 - **TITLE: VALUE ENGINEERING**
 - **PRESENTER: BJ SCHRADER WITH MCWANE PLUMBING GROUP**
 - **SPONSOR: MCWANE PLUMBING GROUP**

- **OCTOBER 14TH, 2020 (VIRTUAL VIA ZOOM)**
 - **TITLE: SMART BUILDINGS, ECM MOTORS, AND HOW TO PROPERLY SIZE A BOOSTER PACKAGE**
 - **PRESENTER: ROBERTO VIDAL-GARCIA WITH GRUNDFOS**
 - **SPONSOR: CAROTEK**

- **NOVEMBER 11TH, 2020 (VIRTUAL VIA ZOOM)**
 - **TITLE: THE FUTURE OF DIGITAL MIXING VALVES**
 - **PRESENTER: RICK DODD WITH LEONARD VALVE COMPANY**
 - **SPONSOR: LEONARD VALVE COMPANY**

- **DECEMBER 9TH, 2020 (VIRTUAL VIA ZOOM)**
 - **TOPIC: GREASE INTERCEPTORS**
 - **PRESENTER: PAUL CAVALLUZZI**
 - **SPONSOR: VA MARKETING**

- **JANUARY 13TH, 2021 (VIRTUAL VIA ZOOM)**
 - **TOPIC: ENGINEERED INFECTION PREVENTION**
 - **PRESENTER: CARMEN GONZALES WITH FRANKE COMMERCIAL**
 - **SPONSOR: FRANKE COMMERCIAL**

- **FEBRUARY 10TH, 2021 (VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED))**
 - **TOPIC: VACUUM PLUMBING SYSTEMS**
 - **PRESENTER: RON MIMS WITH ACORN VACUUM**
 - **SPONSOR: REPSOUTH**

- **MARCH 10TH, 2021 (VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)**
 - **TOPIC: SELECTING PLUMBING FIXTURES FOR COMMERCIAL RESTROOMS IN HEALTHCARE FACILITIES**
 - **PRESENTER: BETTY DABNEY WITH W.G. LESEMAN**
 - **SPONSOR: W.G. LESEMAN**

- **APRIL 14TH, 2021 (VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)**
 - **TOPIC: DOMESTIC WATER BOOSTER PUMP SIZING FOR EFFICIENCY**
 - **PRESENTER: ED ROSS WITH QUANTUMFLO**
 - **SPONSOR: OTTO SALES**

- **MAY 12TH, 2021 (VIRTUAL VIA ZOOM UNLESS OTHERWISE NOTED)**
 - **TOPIC: TBD**
 - **PRESENTER: TBD**
 - **SPONSOR: THE JOYCE AGENCY**

VP MEMBERSHIP - ROB GRUBBS



It's never too late to join ASPE! The monthly meetings are just one of the advantages to becoming a member. Current members, please encourage your colleague's to attend our monthly meetings and consider joining the ASPE family. Visit <https://www.aspe.org/join> for more information.

NEW MEMBERS ANNOUNCEMENTS

- **Miles Johnston**
- **Mischa Zakhary**
- **Rafat Zaqout**

Welcome to our ASPE family! We're happy you're here!!

LET'S CELEBRATE!



BIRTHDAYS

Brandon Cash	6/4
Christopher Tanner	6/13
Ryan Boykin	6/15
David Hanson	6/15
Ryan Cooke	6/20
Michael Murphy	6/23
Steve Cooper	7/1
Matthew Caparrelli	7/3
David Moore	7/6
Lars Frost	7/7
Rob Grubbs	7/7
Michael McCarthy	7/16
Manan Haji	8/6
Rafat Zaqout	8/16
Darryl Lawson	8/18
Christopher White	8/19
Tyler Sims	8/27
Miles Johnston	8/29
John Cain	9/7
Istvan Godri Martis	9/11
Patrick Wright	9/21
Kimberly Griffin	9/25
Robbie Shearon	9/28

ANNIVERSARIES

Ira Leary	6/5/1996
Joseph Scerbo	6/22/2016
Kyle Jenkins	6/26/2018
Frank Marsh	6/26/2019
Tina Capece	7/31/2007
Ryan Boykin	7/5/2018
Charlie Hockett	7/25/2018
Wes Bonafe'	8/22/1991
Istvan Godri Martis	8/20/2010
Jim McCollum	8/4/2015
Darryl Lawson	8/21/2017
Patrick Wright	8/31/2018
Eric Geisendaffer	9/7/2018
Keith Workman	9/14/2018
James Trexler	9/30/2018



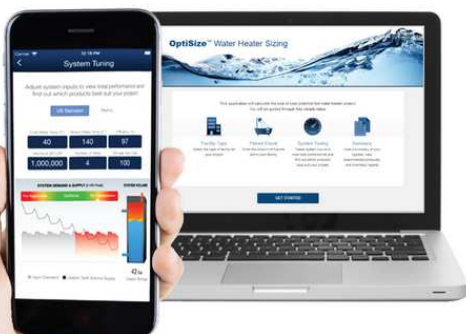
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TECHNOLOGY OVERVIEW

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iQ3001 delivers approximately 3.0 million BTU/hr

iQ2001 delivers approximately 2.0 million BTU/hr

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iQ1001 delivers approximately 1 million BTU/hr

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- **Masterless Cascading** – Up to two iQ3001 floor units can be cascaded for unprecedented capacity up to 160 GPM at a 70°F rise. Eliminate single-point failure with our patented Masterless Cascading technology. If one unit is offline for servicing, all other units regroup and continue to operate.
- **High Turndown Ratio** – With an industry leading turndown ratio, 100:1, our units provide unparalleled gas savings.
- **Compact Unit** – Featuring a 30" width and a 1645 lb. weight, iQ floor units fit through elevator doors and are ideal where space is at a premium.



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MANIFOLDS

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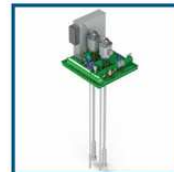
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Since 1962, our commitment to provide reliable water pumping solutions has enabled SyncroFlo to become the world's leading manufacturer of water pumping stations serving the HVAC, plumbing, fire, municipal, and emergency water systems markets • With over 25,000 systems installed worldwide, SyncroFlo is a trusted designer and manufacturer of system controls, with a 155,000 square foot manufacturing facility, which is third party certified by Underwriters Laboratory, Factory Mutual, IAPMO, Intertek and carries an ISO 9001-2015 Certification.

Representatives for the majority of Virginia:

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McWane Technical Services is part of ASPE's CEU Provider Program offering continuing education units (CEUs) for professional development. Here is the current list of programs available by McWane Technical Services:

- Cast Iron Soil Pipe Manufacturing and Associated Standards
- Environmental Sustainability of Cast Iron Soil Pipe Production and Use
- History and Overview of Cast Iron Soil Pipe
- Joining Methods for Cast Iron Soil Pipe and Fittings
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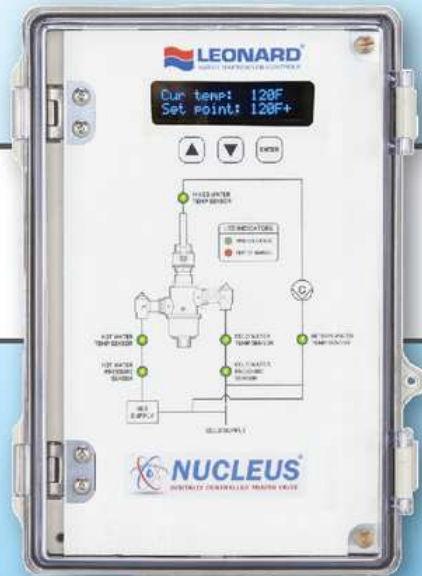
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3. calQflo® online sizing calculator automatically sequences for the most energy efficient solution. Each selection is guaranteed to perform to design conditions. 70% redundancy method, per ASPE engineering design handbook Volume two, ensures energy efficiency with guaranteed performance. Algorithms written into the PLC control the VFDs for the highest energy optimization.
4. QuantumFlo supports the industry associations that support you. ASPE ARCSA, USGBC. Support those who support you. QuantumFlo only markets its products through factory trained representatives. No internet sales.
5. Each unit is covered by an industry-leading 5 year warranty. Each unit is wet flow simulation tested for three hours to exact design conditions (including suction pressure) prior to shipment for guaranteed performance to site conditions!

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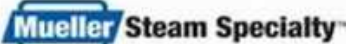
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Bradford White is an American, employee-owned company founded in 1881 with a simple vision, to deliver high-quality water heaters made by American craftspeople. They currently employ over 2,300 people and have four locations in America, with headquarters in Philadelphia, Pennsylvania, and three manufacturing plants in Middleville and Niles, Michigan, and Rochester, New Hampshire. Bradford White is Built to be the Best and American Strong.



www.eemax.com

Eemax was established in 1988 and located in Waterbury, Connecticut. They are the number-one supplier of tankless electric water heater solutions in America. For over 25 years, they have offered energy-efficient, on-demand hot water heaters for commercial applications, residential homes, industrial and safety applications.



www.oatey.com

Oatey Company was founded in 1916 with headquarters in Cleveland, Ohio. They are the leading manufacturer of solvent cement, roof flashings, washing machine outlet boxes, and hundreds of other plumbing specialty products. They are the parent company to other American-owned and operated brands, including **Keeney, QuickDrain USA, Cherne, Harvey, and Hercules**, with 18 locations worldwide.



www.tracpipe.com

OmegaFlex was established in 1975 and located in Exton, Pennsylvania. They lead the flexible metallic piping industry with over 200 registered patents worldwide. In 2004, they introduced the **TracPipe CounterStrike** flexible gas piping used for natural and propane gas for residential and commercial applications.



www.watts.com

Watts was established in 1874 by Joseph Watts, the inventor of water pressure regulators. They are headquartered in North Andover, Massachusetts, with 10 locations in the United States, and 50 locations worldwide. They are the parent company to several brands, also located in the United States, including **Ames, Backflow Direct, Dormont, Mueller Steam, and Powers**. They proudly support the Buy American Act on a number of their products.

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INDUSTRY ADS

Mike McCarthy
Technical Manager-Mid Atlantic Region

The logo for Viega, featuring the word "viega" in a bold, lowercase, sans-serif font. The letters are white and set against a black rectangular background. Below this black box is a solid yellow horizontal bar.

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Full Page Newsletter (per season)

ASPE Member \$375

Non-Member \$450

Half Page Newsletter (per season)

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Business Card Newsletter (per season)

ASPE Member \$75

Non-Member \$150

Meeting Tabletop Costs

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Per Year (8-9 Meetings)

ASPE Member \$450

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INDUSTRY OPPORTUNITIES

If you'd like to advertise your employment opportunity here, please contact one of the list board members above.

BASKERVILL

Plumbing Designer/Engineer - Richmond, VA - #EP-L34

Baskervill has an immediate need for a Plumbing Designer to Support our Plumbing Department on a variety of projects.

RESPONSIBILITIES

Develop construction documents (drawings, models, details, schedules, and specifications) working in Revit. Conduct site inspections/surveys to obtain key field data; reviewing RFI's and shop drawings, coordinating with other disciplines, and attending project meetings.

QUALIFICATIONS

- Bachelors/2-Year technical degree in Mechanical Engineering/Plumbing focus.
- CPD preferred
- 5 to 7 years of commercial experience, at least 3 in plumbing design.
- Working knowledge of plumbing code
- Exceptional communication skills to coordinate with other disciplines and function in a collaborative environment.
- Proficiency in Revit required. Other related software a plus.

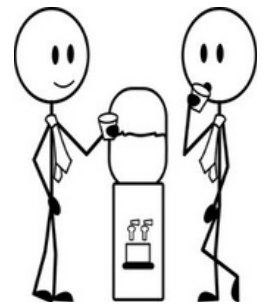
Salary will commensurate with experience.

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Baskervill is an E/O/E/M/F/D/V and drug-free environment.

TALK AROUND THE WATER COOLER...

Check-out these sites for interesting and educational topics & tools to stay up to date!



ASPE Pipeline

News for the Plumbing System Design Industry



CANCELLED!

Given the limitations on travel, the recommendations regarding mass gatherings, and concern for the health and safety of the ASPE community, ASPE decided to cancel the 2020 ASPE Convention & Expo event in New Orleans. However, we want to assure you that the 2020 ASPE Business Meeting will proceed as planned as an online event on September 12-13.

Some recent excerpts:

1. WQA Offers Guidance on Sanitizing Water Treatment Systems

General guidance on sanitizing water treatment systems after a prolonged period of stagnation—such as during the recent COVID-19 shelter-in-place orders—is available from the Water Quality Association. The document, “Guidance for Sanitizing Residential Drinking Water Treatment Systems” is available on WQA’s website as part of the association’s coronavirus resources. More details can be found at <http://wqa.org/Portals/0/WQA>

2. 2020 CPDT Exam to Be Held Via Remote Proctor This October

The Certified Plumbing Design Technician (CPDT) program helps professionals who are early in their careers demonstrate their skills in plumbing design and was created as a precursor to ASPE's Certified in Plumbing Design (CPD) credential. This year the exam will be held during the period of October 5-18 via remote proctoring, so you can take it from the comfort of your home or office. <https://www.aspe.org/pipeline/2020-cpdt-exam-to-be-held-via-remote-proctor-this-october/>

3. IAPMO’s Water Demand Calculator Version 2.0 Is Available for Download

IAPMO®) is excited to announce that the Water Demand Calculator version 2.0—with new and enhanced features—is now available for download. While the basic template of the calculator remains intact, several new features have been added along the edge. The most significant new feature is the addition of a drop-down menu that offers a selection between a single- and multifamily building. The Water Demand Calculator version 2.0 may be downloaded here <https://www.iapmo.org/water-demand-calculator/>

4. Desktop Tables App Is Available

You can now download a Windows or Mac version of ASPE’s popular Plumbing Engineering & Design Tables App to have pipe sizing data at your fingertips while you work from home. https://www.aspe.org/pipeline/aspe-tables-app-for-mac-and-windows-is-now-available/?_zs=Mwala&_zl=gao52

EDUCATION STATION



ASPE has recently revamped their learning platform!! The new site is education.aspe.org. All educational programs and articles have transitioned over to the new site now. If you are looking to earn CEU's and/or enhance your skills and knowledge then this is the site for you! Once in the site Sign in (top right) using your **ASPE Connect credentials**. If you have not activated your ASPE Connect credentials, go to this link to reset your ASPE Connect password: <https://connect.aspe.org>.

Learn How to Specify Heat Pump Water Heaters

Members can attend our September 22 webinar for free! This one-hour webinar offers 0.1 CEU and will provide an introduction to the design of heat pump water heaters and their applications. You will learn about the underlying heat transfer principles that occur in a heat pump system, how each of the different types of heat pump water heaters operates, and the pros and cons of each, as well as energy savings and payback period.

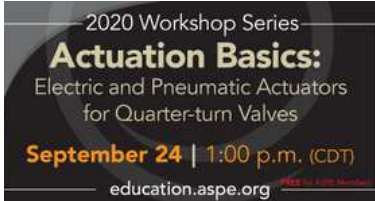


Register at:

<https://education.aspe.org/products/introduction-to-heat-pump-water-heaters-webinar>

Actuation Basics—Electric and Pneumatic Actuators for Quarter-turn Valves

Another Free Webinar for ASPE members on September 24. The speaker will delve into how these actuators operate from a mechanical standpoint while highlighting the codes and standards that apply to design. Electric and pneumatic actuation will be discussed in detail, including the differences in styles of actuators, their varying applications, costs, and reliability.



This webinar offers 0.1 CEU

Register at:

<https://education.aspe.org/products/actuation-basics-electric-and-pneumatic-actuators-for-quarter-turn-valves-webinar>



THIS MONTH IN OUR 2020 BOOK OF THE MONTH PROGRAM FOR ASPE MEMBERS IS THE DIGITAL COPY OF **ENGINEERED PLUMBING DESIGN II**. THROUGH SEPTEMBER 30, 2020, YOU CAN PURCHASE THE PDF VERSION OF THIS HANDBOOK FOR **35% OFF** THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **ENDOFSUMMER** WHEN YOU CHECK OUT.