

Chapters are not authorized to speak for the Society, the views and opinions of this Chapter are those of the respective authors and do not necessarily reflect the official policy or position of the Society or it's staff.



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MARCH 2023

SAFETY FIRST! SPECIFYING EMERGENCY TOPIC:

SHOWERS & EYEWASHES

PRESENTER: TROY MONTEITH - GUARDIAN SAFETY EQUIP.

WED., MARCH 8th 11:45 am - 1:30 pm WHEN:

VIA ZOOM MEETING @ WHERE:

https://moseleyarch.zoom.us/j/88384992951

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

BOARD OF DIRECTORS:

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Education Committee ChairpersonTina M. Capece – Dept. of State-West OBO

ASPE Young Professionals Chapter Liaison

Eric Geisendaffer - Bay Associates eric@bayassociates.com

GREETINGS FROM THE PRESIDENT

President's Message...

Spring is fast approaching, and some days seems well upon us here in VA, so make sure you get out and enjoy the warm weather and help spread the word about our ASPE community and the benefits of becoming a member of the Richmond Chapter. We are always looking for opportunities for growth and outreach, if you know of any potential avenues in or around you specific VA area, please let us know how we can help out and help you.

We are continuing to book our next fiscal season chapter technical meetings, so if you or anyone you know, would like to get on the schedule to present to our chapter please reach out.

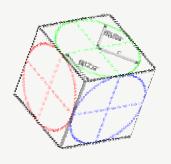
I look forward to seeing everyone for the virtual monthly meeting, today Wednesday the 8th. If you need the virtual zoom meeting invitation please let me know and I'll get it to you as soon as possible.

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

Aldij

JOSHUA H. LANDIS, CPD PRESIDENT, ASPE RICHMOND CHAPTER

TECHNICAL SCHEDULE



Presentation Lineup

- April 12
 - Specifying Plumbing Fixtures for K-12 + Higher Education Facilities
 - Sloan Valves (The Joyce Agency)
- May 10
 - Specifying for Safety: Emergency Eyewash & Shower Equipment
 - (Lesemann Inc.)

VP MEMBERSHIP - ROB GRUBBS

It's never to 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.







BIRTHDAYS

ANNIVERSARIES

Brandon Miller	3/2	Alex Hammond	3/8/1972
Michael Saweikis	3/2	Josh Landis	3/16/2007
James Trexler	3/9	Patrick O'Neil	3/27/2009
William Robbins	3/23	Cydney Johnstone	3/6/2013
		Bill Kirkpatrick	3/2/2018
		Dylan Lee	3/3/2022

AYP RICHMOND - ERIC GEISENDAFFER

Hey Young Professionals



REGION 1 AYP PRESENTS:

Fundamentals of Centrifugal Pumps

presented by

RICHARD L. MEDAIROS, PE

WHO

THIS WEBINAR IS
OPEN TO ALL REGION 1
ASPE YOUNG PROFESSIONALS

WHAT

- 1. TYPES OF CENTRIFUGAL PUMPS
- 2. GENERATING PUMP CURVES
- 3. READING PUMP CURVES
- 4. SELECTING A CENTRIFUGAL PUMP

WHEN

WEDNESDAY MARCH 15, 2023 12-1PM EST

REGISTER

THIS WEBINAR IS FREE TO ASPE MEMBERS.
A \$5 FEE WILL APPLY TO NON-MEMBERS

Mr. Medairos is a Sr. Systems Engineer and Director of Commercial Training at Taco Comfort Solutions. He has over forty-five years of experience with demonstrated expertise in Engineering, Project Management, and planning.

Throughout his career, he
has worked on projects with
major clients such as NASA
Kennedy Space Center,
Disney World, Universal
Studios Florida, Boston
University, Rhode Island
School of Design, First Data
Corporation, Dartmouth College,
and Taco's Innovation and
Development Center.

INDUSTRY OPPORTUNITIES

Plumbing Designer/Engineer

Charlotte, North Carolina

Moseley Architects is currently seeking a full-time Plumbing Designer/ Engineer to be an integral member of our team in our Charlotte, North Carolina office. If you're ready to make a difference, and you meet the following criteria, we want to hear from you.

Location: Charlotte, North Carolina

Experience

- 3+ years of plumbing engineering design experience preferably with large institutional or commercial projects from schematic design through construction administration.
- A four-year engineering degree from an accredited college or university, or equivalent experience is preferred but is not required.

Responsibilities

- Experience with calculations, design, layout and specifications of commercial and institutional plumbing systems.
- Good working knowledge of the International Plumbing Code.
- Strong communication skills are essential, along with the ability to work effectively within an AE environment as an effective member of multi-discipline project teams.
- Ability to successfully handle multiple projects simultaneously in a deadline-driven environment with minimal oversight.
- Excellent organizational skills with the ability to provide strict attention to detail and be a good troubleshooter and problem solver who works well under pressure with a can-do attitude.

Required Skills and Software Proficiencies

- Ability to work in a collaborative environment to meet specific deadlines
- A good working knowledge of REVIT is preferred.
- Microsoft Office Suite

A valid, unrestricted driver's license and driving record, as deemed acceptable by our firm's liability insurance carrier, must be presented, and maintained.

To apply, please submit your cover letter, targeted résumé, and references online at http://www.moseleyarchitects.com/career/ or via mail at 3200 Norfolk Street, Richmond, VA 23230, Attn: Human Resources.

Benefits

Moseley Architects provides competitive salaries and a comprehensive benefits package for all full-time employees, including:

- Employer-paid health insurance
- Employer-paid basic life insurance
- Dental Insurance
- Vision Insurance
- Pet Insurance
- Whole and Term life insurance
- Health FSA/Dependent Care FSA
- Telemedicine services
- Payments of qualifying professional licenses/dues
- Short-term and long-term disability insurance
- 401 (k) with employer match
- Paid Parental Leave
- Paid annual/sick/personal day leave
- Hybrid work model (when applicable)
- · Wellness programs

INDUSTRY OPPORTUNITIES

Plumbing Designer/Engineer

Raleigh, North Carolina

Moseley Architects is currently seeking a full-time Plumbing Designer/ Engineer to be an integral member of our team in our Raleigh, North Carolina office. If you're ready to make a difference, and you meet the following criteria, we want to hear from you.

Location: Raleigh, North Carolina

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- 3+ years of plumbing engineering design experience preferably with large institutional or commercial projects from schematic design through construction administration.
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- Dental Insurance
- Vision Insurance
- Pet insurance
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- Health FSA/Dependent Care FSA
- Telemedicine services
- Payments of qualifying professional licenses/dues
- Short-term and long-term disability insurance
- 401 (k) with employer match
- Paid Parental Leave
- Paid annual/sick/personal day leave
- Hybrid work model (when applicable)
- Wellness programs

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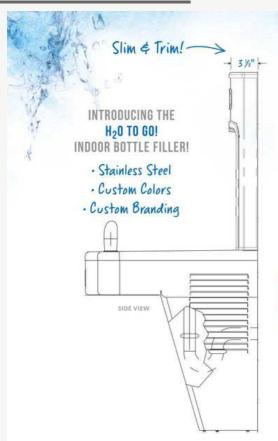
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SLOAN'S LATEST INNOVATIONS



Gravity Toilet

The NEW toilet from Sloan features Centriflo technology that delivers a more powerful flush. The sleek bowl design without rim holes provides a surge of water that makes a vigorous water cyclone that clears and cleans the bowl with every flush. Available in 1.1gpf, 1.28gpf, and 1.6gpf for ultra-high efficiency options. The 17" elongated rim is ADA-compliant, making it ideal for a wide range of applications. Get all the features of a one-piece look with the benefits of a two-piece toilet!



Optimix Faucet

Bring market-leading anti-scaled technology to any facility with the new line of Optimix faucets that are ASSE-1070 compliant! This faucet offers the industry's fastest, most effective anti-scald technology incorporated directly into the faucet spout, providing a safe water temperature for new or retrofit projects. The water is mixed as it passes through the spout of the faucet and can be set to the desired temperature to get comfortable, safe water every time.



Bluetooth Connected Products

Wirelessly monitor the health and status of your fixtures with Sloan's newest line of connected products. Easily generate and share diagnostic reports, quickly access product technical data, and simplify tracking through Bluetooth technology. Stay in control with the Sloan Connect App to adjust and configure the connected faucets and flushometers, all from a smartphone device. Existing fixtures can easily be updated with the Bluetooth Adapter, available for qualifying fixtures.



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+/-2°F DRV water temperature control at peak, moderate or zero fixture demand on hot water system designed for continuous recirculation

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Programmable set point range of 81-158°F (27-70°C) capable of BAS or SAGE® mobile app for monitoring and adjustment

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Automatic safe closure of hot water inlet in response to: inlet supply failure, 110V power failure, or programmable high temperature error

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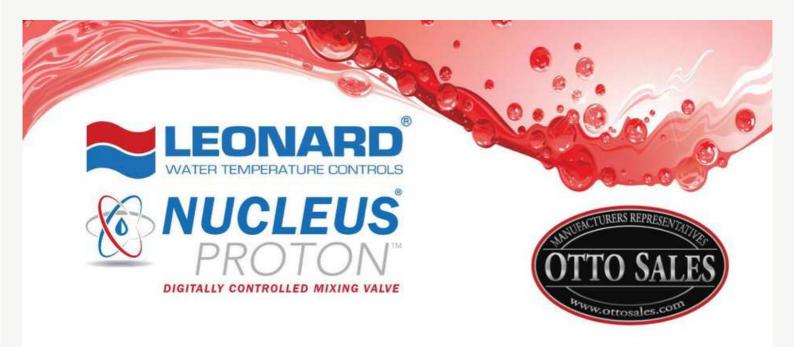




Learn more about McWane Plumbing Group and the benefits of using a cast iron DWV plumbing system.

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Flow rates ideal for small to mid-sized design projects

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Programmable temperature setpoint

Easy setup/easy error coding

Upon power failure, holds last set temperature to avoid thermal shock

	Proton 1.0	Proton 2.0	Proton 2.5	Proton 3.0
Simple and intuitive user commissioning and setup	•	•	•	•
Alarms for when unit maintenance is required	•	•	•	
User programmable set point range between 65 °F and 180 °F	•	•)(•0)	
Automatic hot/cold water shutoff upon cold/hot water inlet supply failure	•	•	•	•
Valve controls at time of no use: 0.0 GPM*		•	•	
Single valves available in 1" to 3" valve outlet sizes	•	•	100	
Manifold assemblies available in up to 6 valve outlet sizes	•	•	•	
Enhanced controller with programmable disinfection mode		•	•	
Three additional temperature probes (inlet hot, inletcold, return temp.)		+	+	
Five relay contacts that switch on during alarm states		+	+	+
Remote alerts to assist Maintenance and Service Personnel		+ 3	+	+
Loss of power alert		+	+	+
Broken temperature probe alert		+	+	+
"Out of range" temperature alert (± 10 °F)		+	+	+
Motor connectivity and operation alert		+	+	+
Service required @90% full shuttle movement alert		+	+	+
Enhanced controller with BACnet MS/TP connection			•	•
Enhanced controller with Wi-Fi				

^{*}When properly installed near the hot water source with a continuously operating recirculation pump



Standard

⁺ Optional



Available in:

- 34" inlet 1" outlet valve assembly
- 1" inlet 11/4" outlet valve assembly
- 11/4" inlet 11/2" outlet valve assembly
- 2" inlet 2" outlet valve assembly
- 3" inlet 3" outlet valve assembly

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Control box also for use with The Neutron/ENV-6100-LF



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Options:

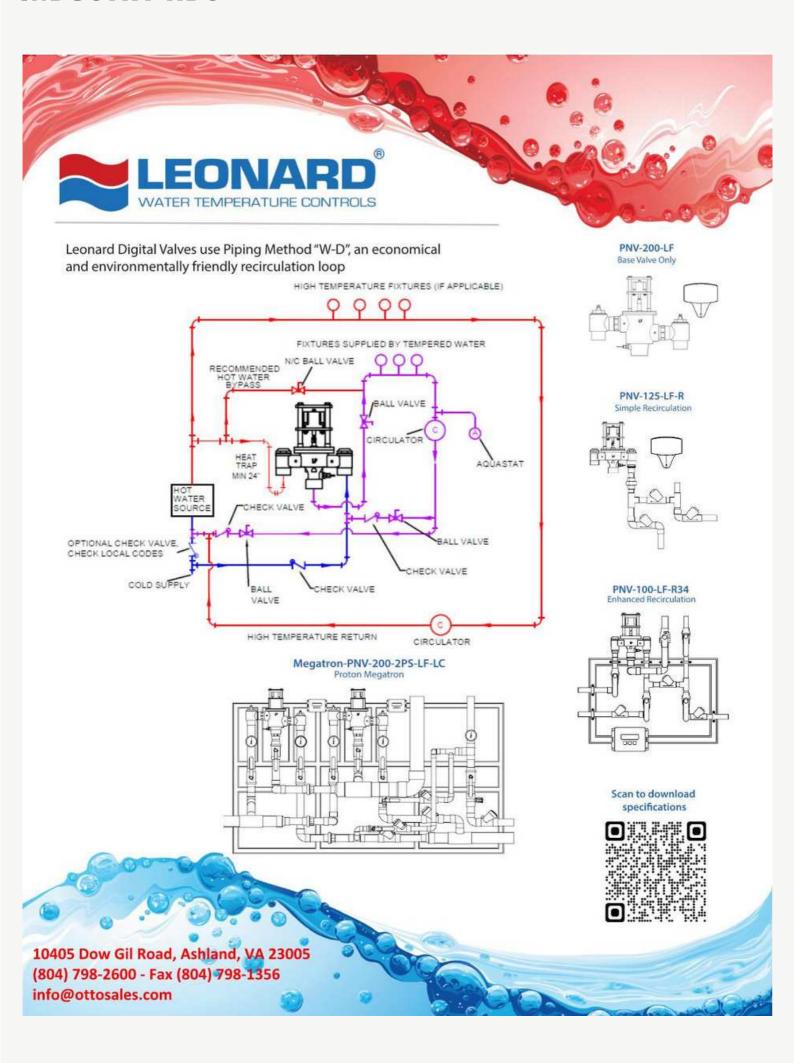
- ✓ BPS Backup Power Supply: Up to 2 hours of uninteruptable run time
- ✓ LC | Less Circulator (Only available for Megatron configurations)
- √150, 200, and 300 models available with or without servicable check/stop valves
- All assemblies available with optional bronze ball valves
- ✓ All assemblies available with any Proton Series control box

Flows & Capacities

MODEL	IN	OUT	MIN. FLOW GPM L/MIN	PRESSURE DROP										
				5	10 0.7	15 0.97	20	25 1.7	30 2.1	35 2.4	40 2.8	45 3.1	50 3.4	PSI BAR
	19.1 mm	25.4 mm	0.95*	64	95	106	121	136	148	163	170	182	193	L/MIN
PNV-125-LF	1"	1-1/4"	0.25*	40	56	66	77	86	95	104	109	114	120	GPM
	25.4 mm	31.6 mm	0.95*	151	212	250	291	326	360	394	413	432	454	L/MIN
PNV-150-LF	1-1/4"	1-1/2"	0.25*	50	72	86	100	115	122	136	140	158	165	GPM
	31.6 mm	38.1 mm	0.95*	189	273	326	379	435	462	515	530	598	625	L/MIN
PNV-200-LF	2"	2"	0.25*	80	115	130	147	165	173	189	198	215	226	GPM
	50.8 mm	50.8 mm	0.95*	303	435	492	556	625	655	715	750	814	856	L/MIN
PNV-300-LF	3"	3"	0.25*	97	135	163	191	213	235	262	288	296	303	GPM
	76.2 mm	76.2 mm	0.95*	366	510	616	722	805	888	990	1089	1119	1145	L/MIN
PNV-150-LF-2PS	2"	3"	0.25*	100	144	177	200	222	244	262	280	305	330	GPM
	50.8 mm	76.2 mm	0.95*	378	544	669	758	839	922	990	1058	1153	1247	L/MIN
PNV-200-LF-2PS	3"	4"	0.25*	160	230	262	294	320	346	371	396	424	451	GPM
	76.2 mm	102 mm	0.95*	605	896	990	1111	1210	1308	1402	1497	1603	1709	L/MIN
PNV-300-LF-2PS	4"	5"	0.25*	194	270	326	382	432	470	523	576	596	606	GPM
	102mm	127 mm	0.95*	733	1021	1232	1444	1633	1777	1977	2177	2253	2291	L/MIN
PNV-200-LF-3PS	4"	4"	0.25*	240	345	390	441	495	519	567	594	645	678	GPM
	102 mm	102 mm	0.95*	908	1306	1476	1669	1874	1965	2146	2249	2442	2567	L/MIN
PNV-300-LF-3PS	5"	6"	0.25*	291	405	489	573	639	705	785	864	887	909	GPM
	127 mm	152 mm	0.95*	1100	1531	1848	2166	2415	2665	2967	3266	3353	3436	L/MIN

VALVE ASSEMBLY(S) ARE ASSE STANDARD 1017 LISTED ALL VALVES ASSEMBLY(S) ARE 3RD PARTY CERTIFIED TO BE LEAD-FREE

*WHEN INSTALLED NEAR HOT WATER SOURCE AND WITH A PROPERLY SIZED, CONTINUOUSLY OPERATING RECIRCULATION PUMP MAXIMUM FLOW CAPACITY



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ASPE Member \$375 Non-Member \$450

Half Page Newsletter (per season)

ASPE Member \$275 Non-Member \$350

Business Card Newsletter (per season)

ASPE Member \$75 Non-Member \$150

CONTACT: JOSH LANDIS @ JLANDIS@MOSELEYARCHITECTS.COM

TALK AROUND THE WATER COOLER...

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



ASPEPipeline

1. ASPE Releases Much-Anticipated Plumbing Design Guide

Engineering Methodologies to Reduce the Risk of Legionella in Premise Plumbing Systems is the first comprehensive guide that incorporates the latest tools, methodologies, and best practices for design professionals to minimize disease and injury from Legionella pneumophila bacteria related to building water systems. Go to ASPE Pipeline for more.



2. IAPMO's 2027 UPS, UMC Development Timeline is Now Available

The International Association of Plumbing and Mechanical Officials (IAPMO), developer of the Uniform Plumbing Code (UPC®) and Uniform Mechanical Code (UMC), has posted online the timeline for the development of the 2027 editions of these prospective American National Standards. The development timeline can be viewed at 2027 UPC/UMC Timeline. For more information visit the code development homepage.



https://www.iapmo.org/codes-standards-development/code-development

3. Updated Stormwater Harvesting Standard Is Published

We are pleased to announce that our updated stormwater harvesting plumbing engineering and design standard has been approved by ANSI. Developed with the American Rainwater Catchment Systems Association, ARCSA/ASPE/ANSI 78-2023 will assist engineers in implementing a stormwater harvesting system while protecting public health and safety. More details at ASPE Pipeline on-line.



4. Help Develop New DWV Standard

ASPE Working Group 82 was recently approved to develop a new standard on critical-care drain, waste, and vent (DWV) piping systems, and we seek industry experts, particularly those who work with healthcare facilities, to participate. For more information visit



https://www.aspe.org/pipeline/category/industry-news/codes-standards

BE SURE TO CHECKOUT THESE COLUMNS FOUND IN PIPELINE EXCLUSIVES SECTION: HTTPS://WWW.ASPE.ORG/PIPELINE/CATEGORY/PIPELINE-EXCLUSIVES/



FIRESTOPPING CLEANOUT VALVES

In her latest Lessons in Firestop column, Sharron Halpert explains several firestopping options to consider when you encounter a cleanout valve in a fire-rated wall.



WANT TO WRITE FOR ASPE PIPELINE?

We're always looking for technical articles to help our readers take their design skills to the next level. If you are interested in contributing, visit ASPE Pipeline for more information

EDUCATION STATION





MORRIS GROUP INTERNATIONAL UNVEILS NEW CONTINUING EDUCATION PAGE

A new Continuing Education page is now up on the Morris Group International website. This page is now the one source for every course offered by MGI's 28 divisions and partnerships. On the Continuing Education page, you will find



MGI's entire course library and will be able to sort by the division offering the course. You will also see what kinds of credits can be earned. MGI offers courses that earn several different types of credits, such as AIA/CES, ASPE, AIC, HSW, and more. Visit ASPE Education Opportunities for more information.

WATTS LAUNCHES WEBINAR ON SAFE MIXING AND PRECISION FLOW CONTROL

Watts has announced "Mitigate Waterborne Pathogens with Precise Flow & Temperature Control: Leveraging New Hot Water Management Technologies", an ASPE-accredited webinar worth 0.1 CEU. On Tuesday, March 28, 2023



at 12 p.m. EDT, participants will discover how innovations in flow and temperature control have changed the landscape of hot water management. Visit ASPE Education Opportunities for more information.





ASPE'S BOOK OF THE MONTH RETURNS FOR 2023 WITH A NEW OPTION: THE **SOFTCOVER** VERSION OF *ADVANCED PLUMBING* TECHNOLOGY *II*.

THROUGH MARCH 31, 2023, YOU CAN PURCHASE THE SOFTCOVER BOOK FOR **15% OFF** THE REGULAR MEMBER PRICE. JUST ENTER COUPON CODE **WORLDPLUMBINGDAY** WHEN YOU CHECK OUT.