

#### **CHAPTER OFFICERS**

President JOHN VARGA, P.E. Scheeser Buckley Mayfield, Inc. Email: <u>ivarga@sbmce.com</u> (330) 526-2715

V.P. Technical MARLON WRIGHT P.E., CPD T/E/S Engineering Email: <u>mwright@tesengineering.com</u> (440) 871-2410

V.P. Legislative CHRIS STACKHOUSE Rep Source, LLC Email: <u>cstackhouse@repsourcellc.com</u> (614) 315-6606

V.P. Membership FRANK MASTROIANNI JR. Mastroianni & Associates, Inc. Email: <u>frankir@mastroiannihvac.com</u> (440) 786-1100

Treasurer KEVIN NOBLE, P.E., LEED AP Scheeser Buckley Mayfield, Inc. Email: <u>knoble@sbmce.com</u> (330) 526-2714

Administrative Secretary DAN EVANS, P.E., CPD, GPD HEI Engineering Group, Inc. Email: evans@hei-ohio.com (330) 262-0042

Corresponding Secretary KIM METZGER Disney McLane & Associates Email: <u>kimm@disney-mclane.com</u> (216) 406-7974

Affiliate Liaison KATHY KIRSCHNICK Johnson Controls Email: <u>kkirschnick123@gmail.com</u> (216) 904-6656

AYP Group Liaison NICK TABAR, P.E., CPD R.L. Deppmann Email: <u>ntabar@deppmann.com</u> (440) 409-5676

WOA Group Liaison TERRESE TUCHSCHER Oatey Co. Email: <u>ttuchscher@oatey.com</u> (216) 319-0789

Newsletter Editor MICHAEL DRAB Thorson Baker & Associates, Inc. Email: mdrab@thorsonbaker.com (330) 659-6688



Cleveland Chapter of The American Society of Plumbing Engineers April 2022

#### From the President:



I would like to thank Rick Lubinski with Association of Energy Engineers for hosting the March Technical Meeting on the topic; CO2 Heat Pumps, presented by Andrew Macaluso with LYNC.

Please welcome our newest member to the Cleveland Chapter, Nicolas Romero with TES Engineering.

The April Technical Session will be a joint meeting with Cleveland ASHRAE on the topic; The Interface Between Risk and Ethics, presented by Tim Wentz, ASHRAE Distinguished Lecturer and Society Past-President.

The April 18, 2022 Lunch Meeting will be held at Holiday Inn Rockside located at 6001 Rockside Road, Independence, Ohio 44131.

11:45 AM – 12:15 Lunch 12:15 – 1:30 PM Presentation

Please RSVP online by 11:30 AM on April 13, 2022.

In-Person (Eventbrite): <u>https://www.eventbrite.com/e/2022-april-lunch-meeting-joint-aspe-meeting-tickets-314980183207?aff=ebdsoporgprofile</u>

Online (GotoMeeting): <u>https://attendee.gotowebinar.com/register/6346761968716231947</u>

\$ 0 per person\$25 per person\$ 0 per person

ASHRAE Cleveland Members – In-Person ASPE Cleveland Members – In-Person Online Presentation – Open to All

Save the date! ASPE Convention & Expo 2022 will be held in Indianapolis, Indiana September 16-21, 2022! Sign-up at <u>www.aspe.org</u> to get notification when registration opens!

Let us know if there are any specific topics you would like to see our chapter sponsor. We are always looking for new ideas. Remember, without membership and participation, there is no local chapter.

Regards, John A. Varga, P.E. President, ASPE Cleveland Chapter

#### 2021-2022 ASPE Meeting/Plumbing Class Schedule April 2022

Date – Time – Place	Topic	Speaker	<b>Exhibitors</b>
September 15, 2021 – 6:00 PM Cleveland Yachting Club	Clam Bake Topic – Social Event ASPE Cleveland Chapter	N/A	N/A
October 13, 2021 – 6:00 PM Harry's Steakhouse (In-Person)	Curbless Shower Design	Darryl Jones – QuickDrain USA	Oatey
Cost: \$20			
November 10, 2021 – 6:00 PM Harry's Steakhouse (In-Person)	Cast Iron - The Logical Choice	Jack Wintro - CISPI	Cast Iron Soil Pipe Institute
Cost: \$20			
December 8, 2021 – 6:00 PM Harry's Steakhouse (In-Person)	Copper Press Fittings	Aaron Kilburg - NIBCO Inc.	NIBCO Inc.
Cost: \$20			
January 12, 2022 – 6:00 PM Harry's Steakhouse	Behavioral Health Plumbing Design	Kim Metzger - Disney McLane	Disney McLane
Cost: \$20 (In-Person) \$25 (Virtual)			
February 9, 2022 – 6:00 PM Virtual ONLY	Circuit Solver Balance Valves	Aaron Markward – ThermOmegaTech	Pinnacle Sales
Cost: FREE!			
March 17, 2022 – 11:30 AM Crown Plaza (In-Person)	Joint meeting with AEE on Heat Pump Water Heaters	Andrew Macaluso - Lync	RL Deppmann
Cost:\$20			
April 18, 2022 – 11:45 AM – Lunch 12:15 PM - Presentation Holiday Inn Rockside	Joint Meeting with ASHRAE on Ethics	Tim Wentz, P.E., HBDP	N/A
Cost: \$20 (In-Person) includes Lunch \$0 (Virtual)			
May 11, 2022 – 6:00 PM	Piping Materials	Todd Green - Charlotte Pipe Field	Charlotte Pipe
(In-Person) Location TBD	Note: Chapter Board Elections!.	Technical Service Representative	
Cost:\$20			

#### 2021-2022 ASPE Meeting/Plumbing Class Schedule April 2022

The above is the meeting/plumbing class schedule for the 2021-2022 ASPE year. Updated information will appear in subsequent newsletter issues. All meetings will be at Harry's Steakhouse, 5664 Old Brecksville Road, Independence unless otherwise indicated. The meeting/plumbing class, including dinner, is \$20.00. Reservations are required. A mini product show will be held before each meeting/plumbing class highlighting some of the materials discussed in class or products that will assist the engineer in understanding what they are designing or specifying. All plumbing classes will qualify for 0.1CEU hours and will assist in preparation for the ASPE CPD examination.

The following times will be enforced as strictly as possible. Make your reservations a minimum of two days before the meeting/class and try to be on time.

#### Evening Seminars:

٠	Chapter Board Meeting	5:00 - 5:30 pm
٠	Sign-in / Meet and Greet / Vendor Product Displays	5:00 - 6:00 pm
•	Dinner	6:00 - 6:30 pm
•	Presentation	6:30 - 6:45 pm
•	Vendor Product Displays	6:45 - 7:45 pm

#### Lunchtime Seminars:

•	Mini Product Show	11:30 - 11:45 am
٠	Sign-In / Meet and Greet / Vendor Product Displays	11:45 - 12:00 pm
٠	Lunch	12:00 - 12:30 pm (Seminar to begin during lunch)
٠	Presentation	12:00 - 1:00pm

Virtual Online Seminars:

Presentation

12:00 - 1:00 pm

# expo.aspe.org

# Convention & Expo 2022

# 09 · 16 - 21 · 22 INDIANAPOLIS



# <image><image><image><image>

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**PINNACLESALES** 

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Quick, safe connections on large diameter gas lines.

Viega MegaPress(R)G requires no open flames or added cost of fire watch, so projects are safer and more profitable. Installers can secure gas pipe up to 4\* in 16 seconds or less, saving 60-90% on labor costs. That's why professionals choose MegaPressG - the trusted press connection method approved for gas lines ½" to 4\*.

Carl Petitt Technical Manager (614) 852-2691 carl.petitt@viega.us

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- Potable Water Distribution Systems
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- Plenum-rated

**Contact your local Rep** for training or ASPE approved presentations on CPVC or go to **corzanplumbing.com** for more information.

Rob Lloyd · 317-690-2269 · Rob.Lloyd@lubrizol.com

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#### Line Card - November 2019



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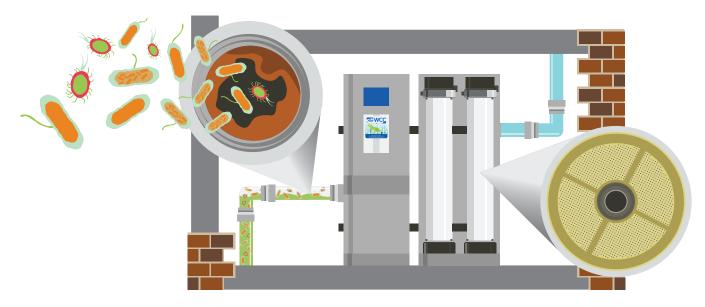
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Manufacturers' Representatives Serving Plumbing, Mechanical, Electrical, Architectural and Water Treatment Industries. Representing the following product lines:

A Better Idea/Quick Block/EZ Sleeper www.pipeease.com	E-Z Sleeper / Quick Block / Pipe Ease – Rooftop pipe and equipment support blocks and deck flanges.
ABT – Polydrain www.abtdrains.com	Pre-sloped polymer trench drains, <i>Trench Former</i> – pre-sloped trench drains systems.
Apollo Flow Controls / Elkhart Products www.apolloflowcontrols.com www.elkhartproducts.com	<i>Conbraco Apollo Flow Control</i> backflow prevention products and <i>Elkhart Products</i> wrot copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include <i>TECTITE</i> and <i>CopperLOC</i> .
Bradley Corporation www.bradleycorp.com	<i>Washbar</i> all in one hand washing stations, washfountains, <i>Express</i> and <i>Frequency</i> lavatory systems, <i>Navigator</i> thermostatic mixing valves, showers, safety equipment, metering faucets, patient care units, <i>Terreon</i> solid surface products, <i>Evero</i> natural quartz products.
Cool Drain Flow www.cooldrainflow.com	Drain Line Tempering Kits for commercial kitchen equipment, boiler blow down drain lines, condensate return, heat exchanger and dehumidifier lines to temper drain water below 140 deg F.
Creative Industries www.creative-terrazzo.com	Pre-cast terrazzo shower floors, mop basins, concrete laundry tubs and stairs or benches, terrazzo or concrete or glass counter tops and custom terrazzo products.
Eemax www.eemax.com	Electric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters, <i>AutoBooster</i> hot water tank booster system.
Hydrotek www.hydrotekintl.com	Sensor operated flush valves and faucets available in both battery and AC options.
Just Manufacturing www.justmfg.com	Stainless steel commercial, institutional & residential sinks and scrub sinks. <i>CuVerro</i> copper antimicrobial sinks.
Keltech www.Keltech-inc.com	Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation)
Kemper Water Control www.kemperwatercontrol.com	Engineered <i>Flow Splitter</i> and <i>Balancing Valve</i> system technology for potable water and Legionella mitigation solutions.
Liberty Pumps www.libertypumps.com	Sump, drain and condensate, utility, transfer, effluent and sewage pumps, <i>Omnivore</i> and <i>ProVore</i> grinders, <i>Accent II</i> macerating toilet system and engineered pump system packages.
Marlo www.marlo-inc.com	Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers, deionized and EDI electro-deionized water treatment equipment.
Midland Metal Mfg./Anderson Metals	Lead free brass fittings, valves, pipe nipples, chrome stops and supplies, aluminum, copper and
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www.midlandmetal.com Oasis International	polyethylene tubing, non-metallic fittings, clamps and valves         Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of
www.midlandmetal.com Oasis International www.oasiscoolers.com Plumberex	polyethylene tubing, non-metallic fittings, clamps and valves         Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of water dispensing solutions under the <i>Oasis</i> and <i>Sunroc</i> brands. <i>Pro-Extreme, Trap Gear, Handy Shield Maxx and Clear Shield</i> lavatory trap and riser insulation kits.
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# LEGIONELLA:

## Don't Manage the Symptoms. Control the Cause!



# We remove Legionella & pathogens *before* they enter your plumbing and mechanical system.

## **HIGH-CAPACITY ULTRAFILTRATION**





Point-of-Entry • Point-of-Use • Hot Water Recirc Treatment



- 99.999% removal of Legionella and pathogens (3rd party-verified)
- A firewall for the entire building
- Drastic reductions in nutrients and biofilms
- 500 GPM+, minimal pressure loss
- · Self-cleaning, long-lasting, low maintenance
- Automatic membrane integrity verification (Meets strict EPA guidelines)



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### **Hubbell Prime Gas Water Heater**

Represented By: Omar McDowell Co. (440) 808-2280 craig@omarmcdowell.com

Hot Water Outlet -

#### Removable Heat Exchanger -

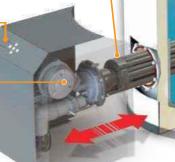
Allows for easy field servicing or replacement without removing the plumbing connections.

#### Stainless Steel Vessel Construction available for DI & RO water applications

Digital Controller — 120Volt 5AMP required

#### Advanced Blower -

Advanced premix gas/air blower for increased combustion efficiency.



#### 2" Polyurethane Foam Insulation

Exceeds the requirements of ANSI/ASHRAE standards for energy efficiency and heat loss by 10%.

#### 1/2" Thick Hydrastone Lined Tank

A seamless cement lining is impervious to adverse water conditions and is proven to be the most effective method of preventing tank failure due to corrosion.

#### 316L Stainless Steel Heat Exchanger

Resistant to corrosion for maximum reliability and longevity.

#### **Features**

40 - 119 Gallons Storage 55,000 BTU/HR Vessel Warranty - 7 yrs nonprorated Heat Xchanger - 5 yrs nonprorated

#### Other Heat Exchangers

## Permanently welded to outer vessel

- Not removable
- ▶ Not serviceable
- ► Heat exchanger failure requires water heater replacement
- ▶ Not repairable
- Cleaning difficult, time consuming and costly
- Significant welded surface area increases the probability of failure

## VS. ... The Prime Advantage

#### **Modular Construction**

- Fully removable heat exchanger
  - Easily serviced in the field
    - Heat exchanger can be replaced without water heater removal or replacement
      - Repairable
        - ▶ Cleaning is quick and easy
          - Minimal welded area reduces the probability of failure



**PRIME** Heat Exchanger





#### **PRODUCT LINECARD**

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Advance Thermal Corp.

Removable Insulation & Acoustic Covers

#### Aerco

Commercial Condensing Boilers **Commercial Condensing Water Heaters** Indirect & Semi-instantaneous Heaters

#### **Bell & Gossett**

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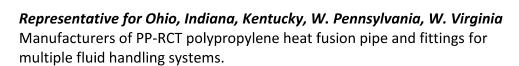
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