

CLEVELAND

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Cleveland Chapter of The American Society of Plumbing Engineers April 2025

From the President:



I would like to thank Josh Pedraja with ASPE for being our guest speaker at the March Technical Meeting.

Please welcome our newest members to the Cleveland Chapter; Syed Ali with Algebra Engineering, Anthony Boxler with RL Deppmann, Soren Engbert with Osborn Engineering, Robert Janowiak with Lubrizol,

Nathan Murach with PTA Engineering, and Dave Stewart with Hayward Flow Control.

The April Technical Session will be on the topic; Thermal Expansion and Vibration Isolation Applications, presented by Dan Holbach, Regional Sales Manager with Metraflex.

April 16, 2025, Lunch Meeting will be held at RL Deppmann located at 6910 Treeline Drive, Suite A, Brecksville, Ohio 44141.

Please RSVP by Noon on April 14, 2025, with Nick Tabar at ntabar@deppmann.com. The lunch price is FREE. Lunch is sponsored by RL Deppmann. Please support your local chapter by attending.

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



2024 - 2025 ASPE Meeting/Plumbing Class Schedule April 2025

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Date – Time – Place	<u>Topic</u>	Speaker(s)	Exhibitors
September 18, 2024 – 6:00 PM Cleveland Yachting Club	Clam Bake Topic – Social Event ASPE Cleveland Chapter	N/A	N/A
October 9, 2024 – 6:00 PM Harry's Steakhouse	Specifying Emergency Fixtures	Jonny Pingry - Guardian	Midwest Spec
Cost: FREE November 13, 2024 – 6:00 PM KD Party Center 6085 State Rd. Parma, OH 44130	Pre-action Fire Protection Systems	Sam Schwander Reliable Automatic Sprinkler Co., Inc.	Reliable Automatic Sprinkler Co., Inc.
Cost: \$20 December 11, 2024 – 12:00PM North Royalton Public Library 5071 Wallings Road, North Royalton Cost: FREE	Drinking Water Filtration Legislation	Zach Dufala – ZURN / Elkay	BWA South
January 8, 2025 – 6:00 PM Slyman's Tavern Independence Cost: \$20	Engineered Infection Prevention	Tim Dallas - Franke	Rep Source, LLC
February 12, 2025 – 6:00 PM Slyman's Tavern Independence Cost: \$20	New Innovations in Medical Gas Piping	Rob Miller – Omega Flex	Omega Flex, Inc.
March 12, 2025 – 6:00PM Holiday Inn Rockside in Independence	NFPA 99 2021 Code Updates	Josh Pedraja	Josh Pedraja
Cost: \$20 April 16, 2025 – 12:00 PM R.L. Deppmann Cost: FREE compliments of	Thermal Expansion and Vibration Isolation Applications	Dan Holbach - Metraflex	R.L. Deppmann
R.L. Deppmann May 7, 2025 – 12:00 PM Slyman's Tavern Independence	Engineering Ethics	Julia Timberman, P.E. Air Control Products	N/A
Cost: TBD			
May 14, 2025 – 6:00 PM Slyman's Tavern Independence Cost: \$20	PVDF Piping Overview and Applications Chapter Board Elections	Marco Deangelo - Arkema	N/A

2024 - 2025 ASPE Meeting/Plumbing Class Schedule April 2025

The above is the meeting/plumbing class schedule for the 2024-2025 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 Unless noted otherwise. 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:

•	Chapter Board Meeting	5:00 - 5:30 pm
•	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
•	Sign-In / Meet and Greet / Vendor Product Displays	11:45 - 12:00 pm
•	Lunch	12:00 - 12:30 pm (Seminar to begin during lunch)
•	Presentation	12:00 - 1:00pm





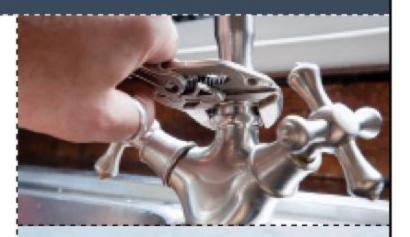
HIGHLY-TRAINED PLUMBERS

The Cleveland Plumbing Industry

actively promotes the most rigorous and effective standards for our local contractors in the plumbing and mechanical industry.



We can embrace these high standards because our plumbing technicians receive the finest and most comprehensive training in the world - allowing our Northeast Ohio contractors to deliver the finest products, service and installation in only the safest of environments.



Working For Our Members:

- Plumbing Codes
- Medical Gas Training
- Back Flow Prevention
- Safety Services
- Labor Relations
- Education & Training
- Promotion
- Government Affairs



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

solid surface products. Evere natural quartz products. Kethech safety/skid water heaters. 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. Elkhard Products www. dichafreducts.com incled TECTITE and CopperLOC. Elkhard Products word copper tube fittings, cast fittings and EPC engineered push-fit fitting brands incled TECTITE and CopperLOC. Commercial, Institutional, Healthcare, Scullery, Utility, Vanity and Handwash stainless steel sinks, faucets and accessories. Residential and Luxury Mythos and Maris stainless steel, granite, fireclay, wordenter and farmhouses kitchen sinks, faucets and specially products. Kemper Water Control www.kemperwatercontrol.com Liberty Pumps Sump, drain and condensate, utility, transfer, effluent and sewage pumps, Omnivore and ProVore grinders, Accent II macerating tollet system and engineered pump system packages. Mario Commercial in diustrial water scheners, media filters, reverse cosmosis, dealkalizers, deionized and ED electro-deionized water treatment equipment. High performance Water Appliances "Made Better by Design" including plumbing accessories, water filters, www.mountainplumbing.com flitters, waste disposers, instant hot water tanks, and water chillers. Raychem /n Vent Thermal Solutions www.www.plumberse.com Baychem /n Vent Thermal Solutions www.www.plumberse.com Glass piping for acid waste and containment piping systems. Knight-Ware acid neutralizing sumps. Electric tankless/instantaneous/mini tank water bastes, Accelera E heat pump water lasking. Glass piping for acid waste and containment piping systems. Knight-Ware acid neutralizing sumps. Electric tankless/instantaneous/mini tank water beaters for commercial, residential and industrial applications, energency shower eyewash heaters, Accelera E heat pump water tanks for solar, geotherial and Accessories. Toilet & urinal setting with Innovative, flexible design, sticky, reusable, elasto	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.
Cremoc specialty transitional couplings and service weight gaskets.		No-Hub and Hub and Spigot Cast Iron Soil Pipe and Fittings
markes. Mas Fittri Mater filtration solutions including: Filter Housings, Cartridges, Whole House and Tankless Water Hotes On House and State of House and Tankless Water Hotes On House and State of House and Tankless Water House of House and State of House and State of House of Water House House of Wate		
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Navigator thermostatic mixing valves, showers, safety equipment, metering fauces, patient care, Terrea soid surface products, Fevre natural quartz products, Keltech safety, was terrazzo or concrete or glass counter tops and custom terrazzo products. Elkhart Products www.ekhartproducts.com Elkhart Products wrot copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include TeCITIE and CopperLOC. Elkhart Products wrot copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include TeCITIE and CopperLOC. Elkhart Products wrot copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include TeCITIE and CopperLOC. Elkhart Products www.harthse.com/us/en/water- solutions/roducts.html Hydrotek Kemper Water Control Inguineered Flow Splitter and Balancing Valve system technology for domestic water and Legionella mitigation solutions. Sump, drain and condensate, utility, transfer, effluent and sewage pumps, Omnivore and ProVore grinders, Accent II macerating soliet system and engineered pump system packages. Mario Commercial & institutional A personal pumps, Omnivore and ProVore grinders, Accent II macerating soliet system and engineered pumps, Omnivore and ProVore grinders, Accent II macerating soliet system and engineered pumps, Omnivore and ProVore grinders, Accent II macerating soliet system and engineered pumps, Omnivore and ProVore grinders, Accent II macerating soliet system and engineered pumps, Omnivore and ProVore was manual pumps and provide and the province of the province and		
Elkhart Products Elkhart Pro		Navigator thermostatic mixing valves, showers, safety equipment, metering faucets, patient care, Terreo.
Franke www.franke.com/us/en/water- solutions/products.html Hydrotek www.html.com/us/en/home-solutions.html Engineered Flow Splitter and Balancing Valve system technology for domestic water and Legionella mitigation solutions. Sump, drain and condensate, utility, transfer, effluent and sewage pumps, Omnivore and ProVore grinders, Acceal' III macerating toilet system and engineered pumps system packages. Marlo Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers, deionized and ED electro-deionized water treatment equipment. High performance Water Appliances: "Made Better by Design" including plumbing accessories, water filters, waste disposers, instant hot water trans, and water chillers. Plumberex www.mulminplumbing.com Plumberex Pro-Extreme, Trap Gear, Hundy Shield Maxx and Clear Shield lavatory trap and riser insulation kits. Mushroom Hunge and Floor Sink Carrier specialty products. HWAT self-regulating heating cable system for domestic hot water, XL-Trace, Gardian and WinterCarriever protection cable, Protectment's mond and in-ticing cable, Legosion, RMI and FrostGuard roof and gutter de-icing cable, RaySol, Nullear floor warming and freezer frost heave cable Stebel Elron Belectric tankless/instantaneous/mini tank water heaters for commercial, residential and industrial applications, emergency shower eyewash heaters, Accelera E heat pump water heaters, hot water tanks for solar, geothermal, and hydronic, instant hot water dispenses, electric fine heaters and hand dryers. Tight Seal Gasket Toilet & urinal setting with Innovative, flexible design, sticky, reusable, clas	Creative Industries www.creative-terrazzo.com	
Sensor operated flush valves and faucets available in both battery and Aradwash stannless steel, grantic, fireclay, wo center and farmhouse kitchen sinks, faucets and accessories. Residential and Luzury Mythos and Maris stainless steel, grantic, fireclay, wo center and farmhouse kitchen sinks, faucets and specialty products. Www.hdrotekintl.com Kemper Water Control www.kemperwatercontrol.com Engineered Flow Splitter and Balancing Valve system technology for domestic water and Legionella mitigation solutions. Sump, drain and condensate, utility, transfer, effluent and sewage pumps, Omnivore and ProVore granders, Accent II macerating toilet system and engineered pump system packages. Marlo Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers, deionized and ED electro-deionized water treatment equipment. High performance Water Appliances "Made Better by Design" including plumbing accessories, water filters, waste disposers, instant hot water tanks, and water chillers. Pro-Extreme, Trap Gear, Handy Shield Max and Clear Shield lavatory trap and riser insulation kits. Mushroom Flange and Floor Sink Carrier specialty products. HHAT self-regulating heating cable system for domesti snow and anti-cing cable, LecStop, RIM and FrostGuard roof and gutter de-cing cable, RaySol, NuHeat floor warming and freezer frost heave cable Schott Scientific Glass / Kimax http://www.stsebott.com/en-usa.com Glass piping for acid waste and containment piping systems. Knight-Ware acid neutralizing sumps. Electric tankless/instantaneous/mini tank water heaters, for commercial, residential and industrial applications, emergency shower eyewash heaters, Accelera E heat pump water heaters, hot wave transletube.com Water Control Corporation www.triangletube.com Water Control Corporation Waterless Company Wave waterless.com Waterless Company Waterless Though State and Accessories. Commercial and Accessories. Commercial politoping fixtures, vitrous china and fiberglass urinals with EcoTrap and		
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Glass piping for acid waste and containment piping systems. **Knight-Ware** acid neutralizing sumps.** Stiebel Eltron http://www.stiebel-eltron-usa.com** Fight Seal Gasket www.tightsealgasket.com** ToTO USA Global Manufacturer of Residential and Commercial Plumbing Fixtures, vitreous china, **Washlet** toilet seats, **NeoRest** toilets and Accessories.** Triangle Tube Commercial and Residential condensing combi and solo, wall mounted and floor mounted boilers, direct fired water heaters, and heat exchangers. Water Control Corporation Washlet** (Supplied Washlet Company) Waterless Company Company Company Company Company Company Co	Raychem / nVent Thermal Solutions www.nVent.com	HWAT self-regulating heating cable system for domestic hot water, XL-Trace, Gardian and WinterGar freeze protection cable, Pyrotenax MI and Electromelt snow and anti-icing cable, IceStop, RIM and FrostGuard roof and gutter de-icing cable, RaySol, NuHeat floor warming and freezer frost heave cable
applications, emergency shower eyewash heaters, Accelera E heat pump water heaters, hot water tanks for solar, geothermal, and hydronic, instant hot water dispensers, electric fan heaters and hand dryers. Tight Seal Gasket www.tightsealgasket.com Toilet & urinal setting with Innovative, flexible design, sticky, reusable, elastomer toilet & urinal gasket. Compresses up to 50%. Will not break or become brittle. Allows movement without leaking. Global Manufacturer of Residential and Commercial Plumbing Fixtures, vitreous china, Washlet toilet seats, NeoRest toilets and Accessories. Triangle Tube Www.triangletube.com Commercial and Residential condensing combi and solo, wall mounted and floor mounted boilers, direct fired water heaters and heat exchangers. Water Control Corporation Water Control Corporation Waterless Company Waterless Company Waterless "No Flush" vitreous china and fiberglass urinals with EcoTrap and Blue Seal liquid, UTC Sentinel sensor flushing systems. Everprime floor drain traps primer liquid. Greencleen chemicals. Xerxes Water Sompany Waterless Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and double wall decontamination tanks. Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom	Schott Scientific Glass / Kimax http://www.us.schott.com/en- us/products/kimax	Glass piping for acid waste and containment piping systems. <i>Knight-Ware</i> acid neutralizing sumps.
Compresses up to 50%. Will not break or become brittle. Allows movement without leaking. Global Manufacturer of Residential and Commercial Plumbing Fixtures, vitreous china, Washlet toilet seats, NeoRest toilets and Accessories. Triangle Tube Www.triangletube.com Commercial and Residential condensing combi and solo, wall mounted and floor mounted boilers, direct fired water heaters, indirect fired water heaters and heat exchangers. Water Control Corporation Www.watercontroline.com Waterless Company Waterless "No Flush" vitreous china and fiberglass urinals with EcoTrap and Blue Seal liquid, UTC Sentinel sensor flushing systems. Everprime floor drain traps primer liquid. Greencleen chemicals. Xerxes Fiberglass Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and double wall decontamination tanks. Additional Products Distributed: Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom		applications, emergency shower eyewash heaters, <i>Accelera</i> E heat pump water heaters, hot water tanks
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### Water Control Corporation Water Control Corporation High-Capacity Ultra-Filtration for Legionella & Pathogen control, rainwater reclamation systems with ultraviolet or ozone purification, high purity water systems, water softeners, water filters. ### Waterless Company Waterless "No Flush" vitreous china and fiberglass urinals with EcoTrap and Blue Seal liquid, UTC Sentinel sensor flushing systems. Everprime floor drain traps primer liquid. Greencleen Chemicals. ### Waterless Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and double wall decontamination tanks. #### Additional Products Distributed: ### Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom		
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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)





Hubbell Prime Gas Water Heater

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

Removable Heat Exchanger -Allows for easy field servicing or replacement without removing the plumbing connections.

Hot Water Outlet -

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 Top view







Manufacturers Represented























Premier manufacturer of plumbing valves including PRV's, control valves, backflow preventers, butterfly valves, hydronic heating valves, quick- connect fittings, water pex, drainage, & pure water filtration.



Products for the fire protection, irrigation, and waterworks markets. Backflow preventers, control valves, in-building risers, pre-assembled valve station products.



Manufacturers of stainless steel drainage systems. Product ranges from standardized products to customized drains.



Plumbing flange design & manufacturing, wholesale distribution and installation services to the plumbing and mechanical piping Industry.



The world's leading provider of power tools, hand tools, and jobsite equipment.



The world's leading provider of flexible stainless steel connectors for natural/LP gas and fluid conveyance applications.



Manufacturers of eyewash and drench shower systems for commercial, hospital, and industrial uses.



An industry leader in manufacturing backflow prevention assemblies.



Manufacturer of oil/water separator, wastewater treatment systems products.



Offers plumbing hangers, straps, fasteners and other solutions for installation of plumbing products and pipe.



Enclosures for backflow preventers for outdoor installations.

& ASSOCIATES



Utility control system to promote safety for the student as well as the instructor in the science laboratory learning environment.



Leading manufacturer of plumbing tools and equipment.



MAPA Products has been a driving force in the manufacturing of rooftop supports.



Mueller Steam Specialty is the world's largest supplier of strainers and the number one provider of specialty products serving the valve industry.



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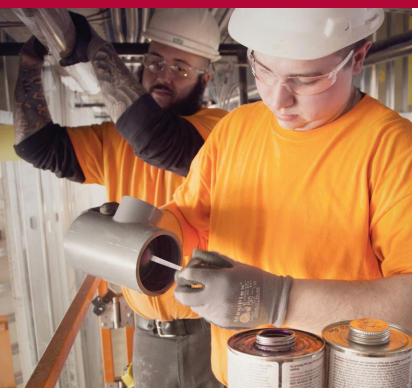
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