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Cleveland Chapter of The American Society of Plumbing Engineers April 2024

From the President:



I would like to thank Lisa Reiheld with International Code Council for being our guest speaker at the March Technical Meeting.

Please welcome our newest member to the Cleveland Chapter, Tim Flanagan with 2BEngineering.

The April Technical Session will be on the topic, Water Heater Sizing for Hospitals and Healthcare, presented by Nick Tabar with RL Deppmann.

The April 10, 2024, Lunch Noon Meeting will be held at RL Deppmann located at 6910 Treeline Drive, Suite A, Brecksville, Ohio 44141.

Please RSVP by Noon on April 8, 2024, with Nick Tabar at ntabar@deppmann.com. Lunch price is FREE. Lunch is sponsored by RL Deppmann. Please support your local chapter by attending.

Save the date! ASPE 2024 Convention & Exposition is taking place in Columbus, Ohio from October 18-23, 2024.

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





2023-2024 ASPE Meeting/Plumbing Class Schedule April 2024

Date - Time - Place	Topic	Speaker(s)	Exhibitors
September 20, 2023 – 6:00 PM Cleveland Yachting Club	Clam Bake Topic – Social Event ASPE Cleveland Chapter	N/A	N/A
October 11, 2023 – 12:00 PM Midwest Spec Sales	Conserving Water & Energy: Electric Tankless Water Heaters	Matt Stewart - Chronomite	Midwest Spec
Cost: Free Compliments of Midwest Spec			
November 8, 2023 – 6:00 PM Harry's Steakhouse	Booster Pump Systems – Reinventing the Mechanical Room	Dennis Whitelaw – President of Towle Whitney	Pinnacle Sales
Cost: FREE December 13, 2023 – 6:00 PM Harry's Steakhouse Cost: FREE	Piping Insulation Solutions	William "Buddy" Combs Knauf Insulation Specifications Specialist	Knauf Insulation
January 10, 2024 – 6:00 PM Brew Wall	Transforming Wet Well Influent Pumping	Arjun Shanmugam of Industrial Flow Solutions/Stancor	Mastroianni & Associates, Inc.
Cost: FREE February 7, 2024 – 6:00PM Brew Wall in North Royalton	Fire Pumps	Greg Trombold Trombold Equipment.	Trombold Equipment
Cost: \$20 March 13, 2024 – 6:00PM Holiday Inn Independence	Ohio Code Updates (Plumbing, Fuel Gas, Mechanical)	Lisa Reiheld International Code Council	N/A
Cost: \$20 April 10, 2024 – 12:00 PM	Water Heater Sizing for Hospitals and	Nick Tabar – R.L. Deppmann	R.L. Deppmann
R.L. Deppmann Cost: FREE	Healthcare		
May 8, 2024 – 6:00 PM Location TBD	Water Treatment	Water Control Corporation	Rep Source, LLC
Cost: FREE	Chapter Board Elections		

2023-2024 ASPE Meeting/Plumbing Class Schedule April 2024

The above is the meeting/plumbing class schedule for the 2023-2024 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

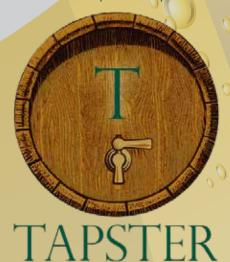
Lunchtime Seminars:

•	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



Thursday, April 11, 2024 // 6 – 8 p.m. Tapster Cleveland

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Hydronic Specialties Expansion/Compression Tanks Centrifugal Pumps

Base Mounted Close Coupled Double Suction Horizontal Split Case In-Line Multi-Stage Heat Exchangers

Shell & Tube Plate Heat Exchangers Replacement Tube Bundles

Heat Transfer Packages Pressure Booster Systems Submersible Pumps Variable Speed Systems Vertical Turbine Pumps

Bobco

Differential Gauge Kits

Bock Water Heater

Gas Fired Water Heater Electric Water Heater Oil Water Heater Indirect Water Heater Solar / Geo Thermal Water Heater Electric Point of Use Water Heater

BoilerMag

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ASME Tanks Boiler Blowdown Separators Condensate Coolers Hot Water Storage Heaters Packaged Water Heaters Replacement Tube Bundles Stone Steel Lined Tanks Unfired Steam Generators

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Greater Toledo Area

Variable Frequency Drives Motor Soft Starters

Domestic Pump

Boiler Feed Systems Condensate Return Pumps Pressure Powered Pumps Vacuum Pumps

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Metraflex Company

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Niles Steel Tank

Greater Toledo Area

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Peterson Equipment Co.

Pressure / Temperature Test Plugs

ProPak Solutions

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Wessels Company

ASME & Glass Lined Storage Tanks Glycol Fill Systems **Engineered Tanks**

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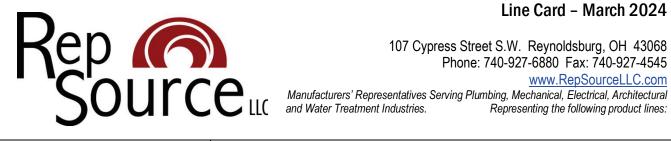
CONQUEST® condensing, gas-fired water heaters are constructed from AquaPLEX® duplex stainless steel so they're corrosion-resistant in potable water at any temperature. Available in 199-1000 MBH, Conquest provides even more BTUs in small spaces and fits through a standard 36-inch doorway. With a thermal efficiency of up to 96%, long product life and a 15-year tank and heat exchanger warranty, you can't afford not to have one.

Call R.L. Deppmann or visit our Monday Morning Minutes blog at deppmann.com for information on PVI Water Heaters





Line Card - March 2024



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AB&I Foundry www.abifoundry.com	No-Hub and Hub and Spigot Cast Iron Soil Pipe and Fittings
Anaco-Husky www.anaco-husky.com	American made complete line of heavy-duty <i>Husky</i> high performance and standard no-hub couplings, <i>Cremco</i> specialty transitional couplings and service weight gaskets.
Apollo Valves Backflow www.apollovalves.com	Apollo Valves backflow prevention products for plumbing, fire protection, waterworks and irrigation markets.
Atlas Filtri https://us.atlasfiltri.com	Water filtration solutions including: Filter Housings, Cartridges, Whole House and Tankless Water Heater Complete Kits, Hydra Self-Cleaning, Reverse Osmosis and <i>ScaleArmor</i> Polyphosphate.
Bradley Corporation www.bradleycorp.com	Washbar all in one hand washing stations, washfountains, Express and Frequency lavatory systems, Navigator thermostatic mixing valves, showers, safety equipment, metering faucets, patient care, Terreor solid surface products, Evero natural quartz products, Keltech water heaters.
CECO Sinks www.cecocatalog.com	CECO (Commercial Enameling Company) has been in business for over 95 years. Products include Stainless Steel, Cast Iron, Fireclay and Quartz residential, showroom and commercial sinks.
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Eemax www.eemax.com	Electric tankless/instantaneous water heaters for commercial, residential and industrial applications, DI and booster heaters, emergency shower eyewash heaters.
Elkhart Products www.elkhartproducts.com	<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> .
Hydrotek www.hydrotekintl.com	Sensor operated flush valves and faucets available in both battery and AC models.
Kemper Water Control www.kemperwatercontrol.com	Engineered <i>Flow Splitter</i> and <i>Balancing Valve</i> system technology for domestic 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.
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Mountain Plumbing Products www.mountainplumbing.com	High performance Water Appliances "Made Better by Design" including plumbing accessories, water filters, waste disposers, instant hot water tanks, and water chillers.
Plumberex www.plumberex.com	Pro-Extreme, Trap Gear, Handy Shield Maxx and Clear Shield lavatory trap and riser insulation kits. Mushroom Flange and Floor Sink Carrier specialty products.
Raychem / nVent Thermal Solutions www.nVent.com	HWAT self-regulating heating cable system for domestic hot water, XL-Trace, Gardian and WinterGard 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.
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.
Tight Seal Gasket www.tightsealgasket.com	Toilet & urinal setting with Innovative, flexible design, sticky, reusable, elastomer toilet & urinal gaskets Compresses up to 50%. Will not break or become brittle. Allows movement without leaking.
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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.watercontrolinc.com	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 www.waterless.com	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 www.xerxes.com	Fiberglass Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and double wall decontamination tanks.
Additional Products Distributed: www.repsourcellc.com	Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom Accessories, Lockers (solid plastic and metal), Water treatment products.

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

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- 99.999% removal of Legionella and pathogens (3rd party-verified)
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Removable Heat Exchanger -Allows for easy field servicing or replacement without removing the plumbing connections.

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Stainless Steel Vessel Construction available for DI & RO water applications

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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%.

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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









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Learn about the smarter water mixing solution at PowersControls.com/IntelliStation



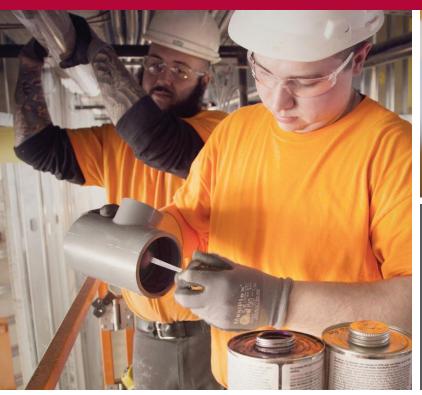


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Performance Ratings

- n Plenum rated forwater distribution piping (ASTM E84-23)
- n Conforms to NSF International Standards 61 and 14
- n Withstands ANSI/ASHRAE Guideline 188 water treatment protocols
- n Innately resistant to corrosion, pitting and scaling
- n Resists biofilm that can lead to waterborne illness
- n Pressure rated for temperatures up to 200°F

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- n Academic Buildings
- n Multi-Family Housing
- n Hotels
- n Hospitals
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- n Power Generation
- n Wastewater Treatment Plants
- n Chemical Processing Facilities



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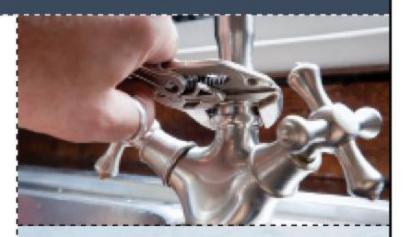
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actively promotes the most rigorous and effective standards for our local contractors in the plumbing and mechanical industry.



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