

ASPE WEWS

Cleveland Chapter of The American Society of Plumbing Engineers February 2024

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From the President:



I would like to thank Arjun Shanmugam with Industrial Flow Solutions/Stancor for being our guest speaker at the January Technical Meeting.

Please welcome our newest members to the Cleveland Chapter; Jacob DuPerow with TES Engineering and Ty Mygrants, a mechanical engineering student at the University of Akron.

The February Technical Session will be on the topic, Fire Pumps, presented by Greg Trombold with Trombold Equipment.

The February 7, 2024, Dinner Meeting will be held at Brew Wall located at 1350 West Royalton Road, Broadview Heights, Ohio 44147.

5:00 – 5:30 Chapter Board Meeting

5:30 - 6:00 Sign-In / Meet and Greet

6:00 - 6:30 Dinner

6:30 - 7:30 Presentation

7:30 – 8:00 Q & A / Vendor Display

Please RSVP by Noon on February 2, 2024, with Kevin Noble at knoble@sbmce.com. Dinner price is \$20. Please support your local chapter by attending. Please note, if you RSVP and are unable to attend, please cancel your reservation ASAP! Thank you for your cooperation.

SPECIAL TOUR! The Collision Bend Brewing Company Facility Tour is on Wednesday, February 21, 2024, at 6:00 PM. This event is hosted by the ASPE Young Professionals but is open to everyone! Please see the attached flyer for additional information.

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 February 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	Piping Insulation Solutions	William "Buddy" Combs	Knauf Insulation
Harry's Steakhouse Cost: FREE		Knauf Insulation Specifications Specialist	
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 – Time TBD Location TBD	Ohio Plumbing Code Updates	Lisa Reiheld International Code Council	International Code Council
Cost: Free			
April 10, 2024 – 12:00 PM R.L. Deppmann	TBD	Nick Tabar – R.L. Deppmann	R.L. Deppmann
Cost: FREE			
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 February 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



COLLISION BEND BREWING COMPANY FACILITY TOUR



Join us as we tour the newly commissioned Euclid facility and receive a special in-depth tour of the MEP systems and brewing process.

Appetizers and beverages included!

RSVP at forms.gle/wuYAwgGnby4cszCB9.

EUCLID, OHIO

COLLISION BEND

1261 Babbitt Road, Euclid, OH 44132

WEDNESDAY, FEBRUARY 21, 2024 // 6:00 p.m.

Hosted by:

ASPE

BBS MEMO

Ohio Board of Building Standards

January 30, 2024

6606 Tussing Road, P.O. Box 4009, Reynoldsburg, Ohio 43068-9009

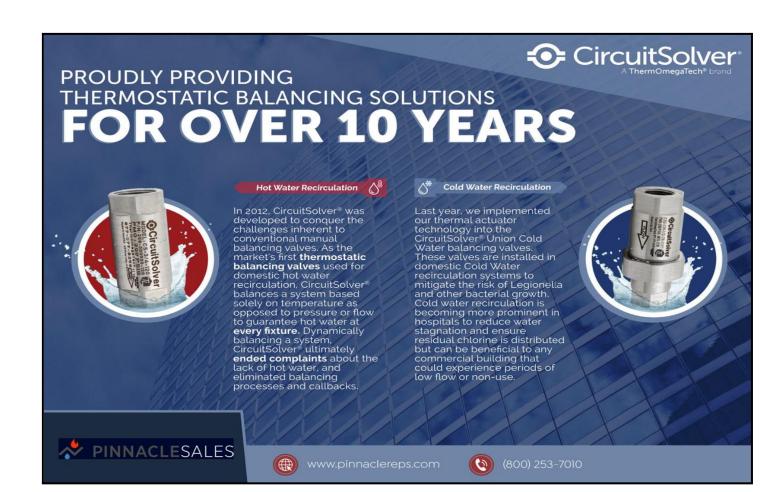
2024 CODE UPDATE INFORMATION

Effective March 1, 2024, the Ohio Building Code (OBC), Ohio Mechanical Code (OMC), and the Ohio Plumbing Code (OPC) will be updated to be based upon the 2021 International model codes. Additionally, the new Ohio Existing Building Code (OEBC) based on the 2021 International Existing Building Code is also effective March 1, 2024. Free online access to the entire 2024 OBC, OMC, OPC and OEBC are available on ICC's Ohio Digital Bookshelf: Ohio Building Codes - ICC Digital Codes (iccsafe.org). The following is in response to inquiries from designers and building department personnel inquiring which codes would apply to projects submitted for plan review prior to, on or after the effective date of new codes or amendments released by the Board.

Submittals to the building department prior to March 1, 2024: Proposed building designs (new buildings, additions, alterations, and changes of occupancy) which are submitted to the building department prior to the effective date of the new codes will be subject to the requirements of the codes in effect at the time of first application for plan review for that proposed building design. For example, an owner submits an application for phased plan approval along with foundation drawings for a new building design on February 29, 2024. The code that applies for the foundation and all subsequent approvals issued for the new building including all the new building systems (mechanical, electrical, plumbing, and fire protection) would be the code in effect on February 29, 2024 (the 2017 OBC with amendments through August 1, 2018).

Submittals to the building department on or after March 1, 2024: All proposed building designs (new buildings, additions, alterations, and changes of occupancy) which are submitted to the building department on or after March 1, 2024 will be subject to the new codes.

The determining date is the date that application is made to the building department, not the date that application is made to any other political subdivision's department such as zoning, site work/engineering, utilities, etc.





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.

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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.

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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

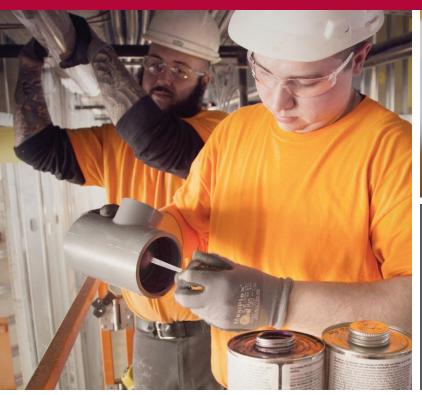




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Diverse Applications

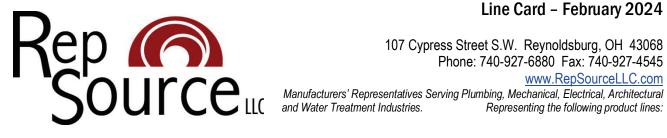
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- n Multi-Family Housing
- n Hotels
- n Hospitals
- n Data Centers
- n Power Generation
- n Wastewater Treatment Plants
- n Chemical Processing Facilities





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Apollo Valves Backflow www.apollovalves.com	Apollo Valves backflow prevention products for plumbing, fire protection, waterworks and irrigation markets.
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, Terreo 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.
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.
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 tankless/instantaneous water heaters for commercial, residential and industrial applications, DI and booster heaters, emergency shower eyewash heaters.
Elkhart Products www.elkhartproducts.com	Elkhart Products wrot copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include TECTITE and CopperLOC.
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.
Marlo www.marlo-inc.com	Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers, deionized and EDI electro-deionized water treatment equipment.
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.
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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
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.
	<u> </u>

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



- 99.999% removal of Legionella and pathogens (3rd party-verified)
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BoilerMag

Magnetic Filters Basic System Chemical Solutions

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Greater Toledo Area

Variable Frequency Drives Motor Soft Starters

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Niles Steel Tank

Greater Toledo Area

Glass Lined & Steel Storage 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.

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Representative for Ohio, Indiana, Kentucky

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Innovative systems integrating mechanical and electrical technology to provide control systems to promote safety in science laboratories

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Representative for Ohio, Kentucky, Indiana, West Virginia, Western PA. Manufacturers of quality brass nipples since 1901.

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The Intelligent Water Mixing and Recirculation System

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- Precise digital control to +/-2°F
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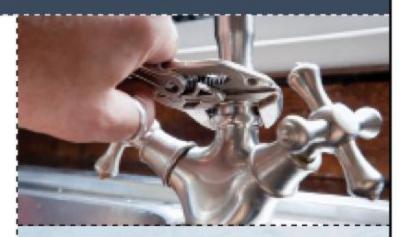
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actively promotes the most rigorous and effective standards for our local contractors in the plumbing and mechanical industry.



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.



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Manufacturers Represented











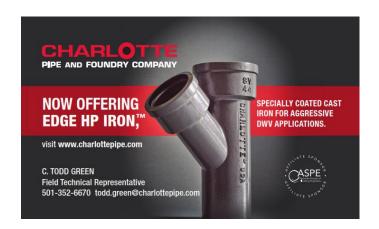














Equipment Company

our website: www.trombold.com

If you need to move water call us we can help!

Storm and sewage—Weil Domestic boosters - Delta P Carver Fire—Patterson

Phone 216-663-8700 Fax 216-663-8702



THE MIFAB ADVANTAGE IN STOCK AND READY TO SHIP!



PINNACLE SALES

Phone: 800-253-7010 Email: sales@pinnaclereps.com WWW.PINNACLEREPS.COM



QUICK HUB COUPLINGS:

NO NEED TO SEPARATE THE GASKET FROM THE SHIELD - INSTALLATION READY.





GRP TRENCH:

RIGID LIKE POLYMER CONCRETE BUT NOT FRAGILE. COMPETITORS MAXIMUM TEMPERATURE AT 140°F. OUR MAXIMUM TEMPERATURE AT 212°F!



TOP SET STRAINERS:

BRING THE STRAINER TO GRADE WITHOUT REMOVING THE GRATE AFTER THE CONCRETE POUR. JUST TURN THE THREE PHILLIPS HEAD SCREWS!



RPZ AND DC BACKFLOW:

ACCESS BOTH CHECKS FROM ONE ACCESS POINT. ALL STAINLESS STEEL BODY AND SHORTEST LAY LENGTH!



SIPHONIC DRAINAGE:

PIPES ARE FLUSHED AT HIGH VELOCITY AND SELF-CLEAN AS AIR EXITS THE SYSTEM, PIPE DIAMETER & MATERIALS ARE REDUCED BY HALF!



HDPE INTERCEPTORS:

LIFETIME WARRANTY. GENERIC CUT TO FIT ADS RISERS. PDI AND ASME APPROVED!

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Superior Performance & System Reliability

DuRa Pipe™ enhanced epoxy coating applied to cast iron soil pipe and fittings. It is well suited for aggressive DWV applications where greater performance is required.







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Manufacturer's Representatives

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<mark>WOODFORD MODEL 68</mark> FREEZELESS UNDERCOVER WALL HYDRANT



- Model 68 freezeless wall hydrant protected by an integral locking cover
- Drains automatically—even with hose attached
- Replaceable locking stainless steel cover flips down for easy access
- Sleek, streamlined design
- Easier to install than recessed box hydrants

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Call For Presentations

The call for presentations is open! If you would like to showcase your expertise in plumbing system design by presenting a technical session at the 2024 ASPE Convention & Expo, please submit your presentation by February 28, 2024.

2024 Presenter Application



** Local Chapters are not authorized to speak for the Society