

Cleveland Chapter of The American Society of Plumbing Engineers
April 2021

CHAPTER OFFICERS

President

JOHN VARGA, P.E.
Scheerer Buckley Mayfield, Inc.
Email: jvarga@sbmce.com
(330) 526-2715

V.P. Technical

DIETER HAUSMANN, P.E. CPD, LEED AP
T/E/S Engineering
Email: kdhausmann@tesengineering.com
(440) 614-0318

V.P. Legislative

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

V.P. Membership

FRANK MASTROIANNI JR.
Mastroianni & Associates, Inc.
Email: frankjr@mastroiannihvac.com
(440) 786-1100

Treasurer

KEVIN NOBLE, P.E., LEED AP
Scheerer Buckley Mayfield, Inc.
Email: knoble@sbmce.com
(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: kimm@disney-mclane.com
(216) 406-7974

Affiliate Liaison

KATHY KIRSCHNICK
Campbell Equipment Company
Email: kkirschnick123@gmail.com
(216) 904-6656

AYP Group Liaison

NICK TABAR, CPD
Karpinski Engineering
Email: ntabar@karpinskieng.com
(216) 391-3700

Newsletter Editor

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

From the President:



I would like to thank Julia Keen, P.E., PhD, Professor of Architectural Engineering with Kansas State University for being our guest speaker at the March Technical Virtual Meeting on the topic; Ethical Decision Making – An Exercise in Application.

I would also like to thank Mike Sprangler with the Cleveland ASHRAE Chapter for hosting a joint meeting with the Cleveland ASPE Chapter.

Please welcome our newest members to the Cleveland Chapter; Timothy Baker with AECOM, Fernanda Delduque with The Thrasher Group, and Blaine Lott with LSG Engineering.

The April Technical Session will be on the topic; Medical Gases – Choosing the Technology, presented by Josh Pedraja with Pattons Medical. The seminar will outline the best product for your application.

The April 14, 2021 Dinner Meeting will be held and Harry's Steakhouse located at 5664 Old Brecksville Road, Independence, Ohio 44131.

Attendees have the option to either attend **In-Person** or **Virtual Online Meeting**.

In-Person: Harry's plan is to limit the number of attendees at each table, extend the distance between tables, and will have servers assist in dishing the food through the buffet line. Please RSVP to reserve a seat, no walk-ins are permitted.

5:00 – 5:30 Chapter Board Meeting
5:15 – 5:30 Sign-In / Meet and Greet
5:30 – 6:00 Dinner
6:00 – 7:00 Presentation

Please RSVP by Noon on April 12, 2021 with Kevin Noble at knoble@sbmce.com. Dinner price is \$20.

**2020-2021 ASPE Meeting/Plumbing Class Schedule
April 2021**

<u>Date – Time – Place</u>	<u>Topic</u>	<u>Speaker</u>	<u>Exhibitors</u>
September 9, 2020 – 6:00 PM Cleveland Yachting Club	Clam Bake Topic – Social Event ASPE Cleveland Chapter	N/A	N/A
October 14, 2020 – 12:00 PM Virtual Meeting Cost: N/A	Application for Smart Water Management in Commercial Buildings	Adam Bartman – Reed Water	N/A
November 11, 2020 – 6:00 PM Harry's Steakhouse (In-Person) Virtual Meeting Option Cost: \$20.00 \$25.00(Virtual)	Expansion Tanks	Dave Murman – Great Lakes Sales	Great Lakes Sales
December 9, 2020 – 12:00 PM Virtual Meeting Cost: Free (\$25 non-members)	UL 1738 Gas Flue Venting Material	Michael Sokaris - Centrotherm	N/A
January 13, 2021 – 12:00 PM Harry's Steakhouse Cost: \$20.00 \$25.00(Virtual)	Designing for Safety ANSI Standards and Emergency Equipment	Tony Clouse – Bradley Corp.	RepSource
February 10, 2021 – 12:00 PM Virtual Meeting Cost: Free (\$25 non-members)	Engineered Infection Prevention	Allan Prinsloo - FRANKE	N/A
March 16, 2021 – 12:00 PM Virtual Meeting Cost: N/A	Ethical Decision Making An Exercise in Application (Joint Meeting with ASHRAE)	Julia Keen, P.E., PhD, FASHRAE, HBDP, BEAP	N/A
April 14, 2021 – 6:00 PM Harry's Steakhouse Cost: \$20.00 - In-person meeting w/ dinner \$25.00 – Virtual (Free for members)	Medical Gases – Choosing the Technology	Josh Pedraja – Pattons Medical	Pattons Medical
May 12, 2021 – 6:00 PM Harry's Steakhouse Cost: \$20.00 \$25.00(Virtual)	Valves 101 Note: Chapter Board Elections this year will be taking place after the meeting.	Lauren Berenato – Jomar Valve	Jomar

**2020-2021 ASPE Meeting/Plumbing Class Schedule
April 2021**

The above is the meeting/plumbing class schedule for the 2020-2021 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 \$26.00. 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:

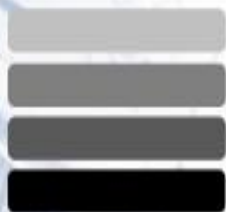
- Chapter Board Meeting 5:00 - 5:30 pm
- Sign-in / Meet and Greet / Vendor Product Displays 5:00 - 6:00 pm
- Dinner 6:00 - 6:30 pm
- Presentation 6:30 - 6:45 pm
- Vendor Product Displays 6:45 - 7:45 pm

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

Virtual Online Seminars:

- Presentation 12:00 - 1:00 pm



RC FREY & ASSOCIATES

MANUFACTURERS' REPRESENTATIVE

REPRESENTING THE FINEST IN
COMMERCIAL PLUMBING FOR MORE
THAN 50 YEARS

330-425-2555 — WWW.RCFREY.COM



ASPE TechSymposium2021



ASPE's Tech Symposium is an intense professional development event where attendees can partake in multiple technical education sessions offering CEUs as well as the popular Product Show and numerous social events.

San Diego Marriott Mission Valley
San Diego, CA

September 22-26



aspe.org

Hubbell Prime Gas Water Heater

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



Other Heat Exchangers

VS. ...The Prime Advantage

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

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





107 Cypress Street S.W. Reynoldsburg, OH 43068
Phone: 740-927-6880 or 888-927-4244 Fax: 740-927-4545

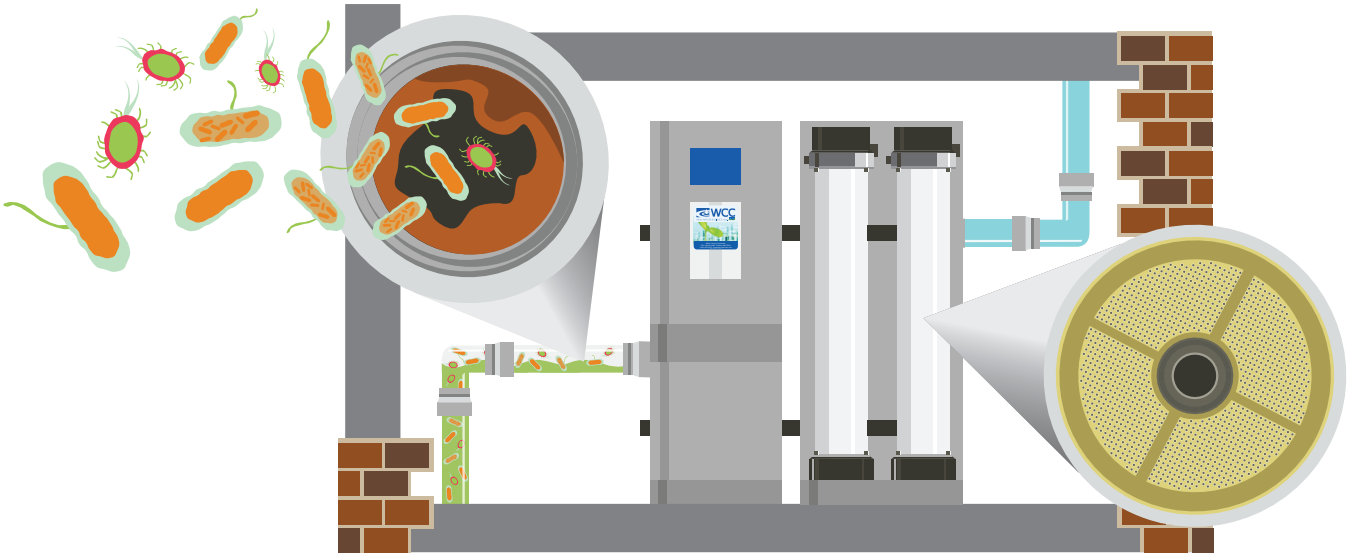
www.RepSourceLLC.com

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, Trench Former – pre-sloped trench drains systems.
Apollo Flow Controls / Elkhart Products www.apolloflowcontrols.com www.elkhartproducts.com	Conbraco Apollo Flow Control backflow prevention products and Elkhart Products wrought copper tube fittings, cast fittings and EPC engineered push-fit fitting brands include TECTITE and CopperLOC .
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 units, Terreon solid surface products, Evero 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, AutoBooster 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. CuVerro copper antimicrobial sinks.
Keltech www.Keltech-inc.com	Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation)
Kemper Water Control www.kemperwatercontrol.com	Engineered Flow Splitter and Balancing Valve system technology for potable water and Legionella mitigation solutions.
Liberty Pumps www.libertypumps.com	Sump, drain and condensate, utility, transfer, effluent and sewage pumps, Omnivore and ProVore grinders, Accent II 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 www.midlandmetal.com	Lead free brass fittings, valves, pipe nipples, chrome stops and supplies, aluminum, copper and polyethylene tubing, non-metallic fittings, clamps and valves
Oasis International www.oasiscoolers.com	Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of water dispensing solutions under the Oasis and Sunroc brands.
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.
RIIFO www.riifo.com	PEX Tubing, PEX-AL-PEX Tubing, fittings, manifolds, tools and accessories.
Schott Scientific Glass / Kimax www.us.schott.com/drainline	Glass piping for acid waste and containment piping systems. Knight-Ware 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.
TOTO USA www.totousa.com	Global Manufacturer of Residential and Commercial Plumbing Fixtures, Washlet toilet seat, NeoRest toilets and Accessories.
Wade Drainage www.wadedrains.com	Cast iron floor drains, floor sinks, roof drains, cleanouts, carriers, interceptors, hydrants, shock absorbers, trap primers, access covers, trench drains, Siphonic Roof Drainage System.
Water Control Corporation www.watercontrolinc.com	High Capacity Ultra-Filtration for Legionella & Pathogen control, Rainwater Reclamation Systems with Ultraviolet or Ozone purification, vortex downspout separators, storage tanks and complete controls for turnkey systems.
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/ZCL www.zcl.com	Fiberglass Water and Wastewater storage solutions. Water storage, grease, oil, solids interceptors, and 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.

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



seccua
German Hollow-Fiber
Membrane Technology



Where NATURE & SCIENCE meet.™

- 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)



PROTECT YOUR FACILITY AND LEARN MORE AT WATERCONTROLINC.COM



PLUMBING
TECHNICAL SERVICES

YOUR CREDIBLE AND RELIABLE RESOURCE FOR CAST IRON DWV SYSTEMS

**Learn more about the benefits of
using a cast iron plumbing system.**

Meet Laura Loziuk

Laura is a Technical Service Manager in the McWane Plumbing Group covering the Northeast region. An avid rock collector, she's a "rock star" when it comes to her stellar performance with all things DWV and codes and standards.

Contact Laura to learn more about the benefits of a cast iron drain, waste, and vent plumbing system.



From the President (Continued):

Virtual Online:

6:00 – 7:00 PM Virtual Online Meeting

FREE to ASPE members and \$25 for non-members!

Note: Whether you attend in -person or virtual online, if you would like to receive a Certificate of Completion (Attendance), you must register at ASPE's education website (<https://education.aspe.org>) prior to the meeting. Upon completion of the seminar, fill out the short survey of questions to receive a Certificate of Completion (Attendance). ASPE recommends registering at least a few days earlier to allow for adequate time to process your registration. Please refer to the email for more specific details and registration information.

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

BWA SOUTH Manufacturer's Representative of quality plumbing products since 1956

ZURN **ASI GROUP** **WILKINS**
a ZURN company

IPS CORPORATION **ZURN GreenTurtle** **WILLOUGHBY**

Rheem **CHARLOTTE PIPE AND FOUNDRY COMPANY**
The new degree of comfort.®

NIAGARA **IDEAL** **Green Drain™** **cd comfortdesigns**
Waterless Trap Seal for Floor Drains

SW STERN-WILLIAMS **BrassCraft®**

ELKAY **BASCO**
SHOWER ENCLOSURES

Visit us at WWW.BWASOUTH.COM

MegaPress® G
Press safer.
Press bigger.

viega

Connected in quality.



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

Justin Young
Regional Sales Director
(412) 699-7786
justin.young@viega.us

Advance Thermal Corp.

Removable Insulation & Acoustic Covers

Aerco

Northern & Central Ohio

Commercial Condensing Boilers

Commercial Condensing Water Heaters

Bell & Gossett

Balance Valves

Automatic Flow Limiting

Manual Flow Limiting

Pressure Independent Control

Hydronic Specialties

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

Hydronic Specialties

Pressure Booster Systems

Submersible Pumps

Variable Speed Systems

Vertical Turbine Pumps

Expansion/Compression Tanks

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

Burnham Commercial

Scotch & Firetube Boilers

Low Nox Boilers

Deareators & Boiler Accessories

Cemline Corp.

ASME Tanks

Boiler Blowdown Separators

Condensate Coolers

Hot Water Storage Heaters

Packaged Water Heaters

Replacement Tube Bundles

Stone Steel Lined Tanks

Unfired Steam Generators

Danfoss

Greater Toledo Area

Variable Frequency Drives

Motor Soft Starters

Domestic Pump

Boiler Feed Systems

Condensate Return Pumps

Pressure Powered Pumps

Vacuum Pumps

Dow Heat Transfer Fluids

DOWTHERM™ SR-1 Ethylene Glycol

DOWFROST™ HD Propylene Glycol

Dri-Steam

Greater Toledo Area

Steam Injection Humidifiers

Gas To Steam Humidifiers

Steam To Steam Humidifiers

Electric Steam Humidifiers

Evaporative Humidifiers

Ultrasonic Fog Humidifiers

Fluid Design Solutions

Boiler Plant Packages

Custom Mech. Room Pumping Pkgs

Packaged Snowmelt Solutions

Solar Pump Packages

Goulds / G&L Commercial

End Suction Pumps

Vertical Multi-stage

Pressure Booster Systems

Vortex Waste Water

Griswold Controls

Automatic Balance Valves

Manual Balance Valves

Pressure Independent Control Valves

Coil Hook-up Kits

Griswold Water Systems

Chemical Free Water Treatment

Centrifugal Separators

Sand Filter Systems

Heatfab

Northern & Central Ohio

High Performance Chimneys & Vents

Hoffman Specialties

Steam Traps & Specialties

Condensate Return Pumps

Pressure Regulating Valves

Vacuum Pumps

Kadant Johnson

Pressure Powered Pumps

Laars Heating Systems

Residential / Commercial Boilers

Commercial Water Heaters

Commercial Pool Heaters

McDonnell & Miller

Boiler Safety Controls

Level Controls

Flow Switches

Metraflex Company

Flexible Pump Connectors

Expansion Joints & Guides

Non-slam Check Valves

Ball & Butterfly Valves

Miljoco

Pressure Gauges

Thermometers

Accessories

Niles Steel Tank

Glass Lined & Steel Storage Tanks

Peterson Equipment Co.

Pressure / Temperature Test Plugs

Rovanco

Pre-insulated Pipe

Containment Pipe

Solar Skies

Complete State of Ohio

Solar Panel Collectors

Tower Tech Cooling Towers

High Efficiency Cooling Towers

HVAC Cooling Towers

Process Cooling Towers

Power Generation Cooling Towers

Vertiflo

Pedestal Mount – Sump Pumps

Base Mounted Pumps

Vertical Pumps

Webster Engineering

Greater Toledo Area

Single & Dual Fuel Burners

Landfill Gas Burners

High Turndown Burners

Temp-A-Trim: Air Density Control System

Wessels Company

ASME & Glass Lined Storage Tanks

Glycol Fill Systems

Engineered Tanks



COMMERCIAL

Commercial applications demand the highest quality, most consistent materials and parts in the industry. Gerber commercial products offer solutions for schools, high rises, manufacturing, commercial buildings, assisted living facilities and hospitals.



GERBER

NFB Series

navien

NFB Condensing Wall Hung Fire Tube Boilers

Navien... the condensing leader brings you the future of fire tube boiler technology



Navien® Wi-Fi remote control system. Available as an add-on accessory.

THE LEADER IN CONDENSING TECHNOLOGY

Viega ProRadiant

Heating and Cooling Systems



Professional design assistance available for your next project.

viega

Heat-Flo All-Stainless Steel Products

- Indirect Water Heaters
- Hot Water Storage Tanks
- Multi-Energy Tanks
- Hydronic Buffer Tanks
- Sizes 22 to 115 Gallons

Heat-flo

Quality Design and Construction

- All stainless tank and coil.
- Over 2" of insulation with less than 1" hr. heat loss.
- Large, smooth-wall coils collect less lime and sediment.

Easy Installation

- All connections on top for a neat, clean installation.
- Brass drain and T & P Valves are factory installed.

High Output and Dual Coil units for commercial, solar, radiant, and high demand applications.



RAISING THE STANDARD

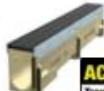
CURNAYN
SALES INC.

21706 Lunn Road, Strongsville, OH 44149
440-846-1280 www.curnaynsales.com



Office (440) 944-7500
Lee Fink (216) 618-4111
Tim Morrissey (330) 242-2114

Plumbing Lines



Heating Lines



Valves, Fittings & Accessories



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



DEPPMANN

Join the Deppmann team! We are looking for a plumbing team leader in the Cleveland area. If below describes you, let's talk:

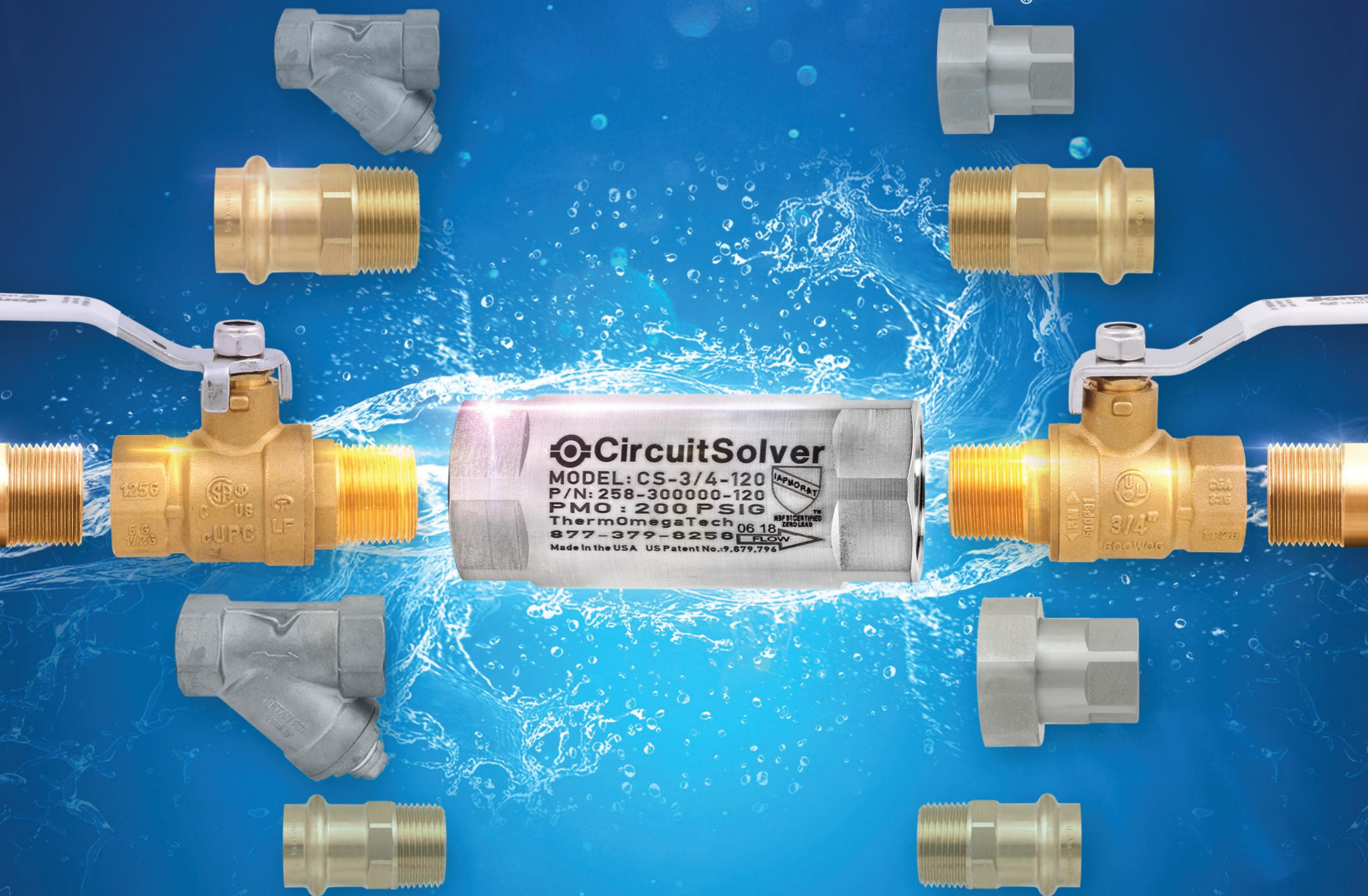
- Eager to learn and eager to teach
- Outgoing and desire to help others
- Understands plumbing systems very well
- A great communicator
- Looking for a great opportunity

Contact Josh Looper (jlooper@deppmann.com) or Kyle Wefing (kwefing@deppmann.com) if interested!



CircuitSolver®

A ThermOmegaTech® product



CHOOSE YOUR PERFECT FIT

Thermostatic Balancing Valves for
Domestic Hot Water Recirculation Systems

Automatically & continuously adjust flow to maintain a
specified temperature in every branch.



PINNACLE SALES

Visit www.CircuitSolver.com/perfect-fit or call (412) 461-9663

UNEQUALED QUALITY.

WOODFORD ROOF HYDRANTS: RELIABLE ROOFTOP WATER.

- Heavy-duty cast iron mounting system can be installed by roofer; hydrant can be installed later.
- RHY2-MS freezeless hydrants automatically drain when shut off, even with hose attached.
- Easy to repair from top of unit without removing hydrant.
- Five-year limited warranty.

RHY2-MS
*Woodford roof
hydrant plumbs
directly to drain*

Woodford SRH
*sanitary hydrant:
no drain required!*



WOODFORD MODEL 68 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



Service • Support • Supply

Manufacturer's Representatives

7860 North Central Drive Lewis Center, OH 43035
740-549-1516 740-548-0985 (Fax)

WOODFORD



**WOODFORD
MANUFACTURING COMPANY**
Excellence. *Always.*

800.621.6032 • www.woodfordmfg.com

A close-up photograph of a hand operating a brass press valve on a copper pipe. The hand is positioned on the left, with fingers gripping a silver metal lever that has two circular holes. The lever is attached to a brass valve body, which is connected to a thick copper pipe. The background is dark and out of focus.

NIBCO[®]
presssystem[®]

FIND YOUR FIT

**Choose from Over
600 Press Valve SKUs,
the Largest Offering
in the Industry**

- Options ranging from ½" – 4"
- Select from over 65 different valve configurations
- Our total system – valves, fittings and tools – comes with unparalleled service
- Experience the best customer service in the industry – as judged by our customers

**FIND YOUR FIT AT
NIBCO.COM/PRESS**

Amanda Miller | Area Sales Manager
614.634.2516 | millera2@nibco.com

Paul Figuly | Assistant Regional Manager
216-402-7056 | figuly@nibco.com

Aaron Kilburg | Commercial Sales Manager
331-262-0868 | kilburga@nibco.com

7737 Reinhold Drive
Cincinnati, OH 45237
Phone (800) 542-1682
Fax (877) 476-1682



& ASSOCIATES

4640 Hinckley Industrial PKWY
Cleveland, OH 44109
Phone (800) 542-1682
Fax (877) 476-1682
Kim Metzger—Cell 216-406-7974



Representative for Ohio, Indiana, Kentucky

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



Representative for Ohio, Indiana, Kentucky, W. Pennsylvania, W. Virginia

Manufacturers of PP-RCT polypropylene heat fusion pipe and fittings for multiple fluid handling systems.



Representative for Ohio, Indiana, Kentucky

Armstrong Pump is an established leader in fluid flow innovation and is internationally recognized for design efficiency, long service life and operating economy.



Representative for Ohio, Indiana, Kentucky

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



Representative for Ohio, Indiana, Kentucky, W. Pennsylvania, W. Virginia

Modular board, insulation, vapor barrier, and radiant floor tube holding



Representative for Ohio, Indiana, Kentucky

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



Representative for Ohio, Indiana, Kentucky

An industry leader in manufacturing backflow prevention assemblies and related flow control products servicing the irrigation market.



Representative for Ohio

Fiat is a leader in the development and manufacturing of plumbing products for the commercial, institutional and residential markets.



Representative for Ohio, Indiana, Kentucky

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



Representative for Ohio, Kentucky

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



Representative for Ohio & Kentucky

Enclosures for backflow preventers for outdoor installations.



Representative for Ohio, Indiana, Kentucky

A premier producer of commercial and institutional restroom solutions.



Representative for Ohio

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



Representative for Kentucky, Ohio

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



Representative for Ohio, Indiana, Kentucky

Acid waste, high purity, double-containment pipe and systems.



Representative for Ohio, Indiana, Kentucky

Manufacturers of thermostatic mixing valves for building, point-of-use and emergency equipment, tub/shower systems with pressure balancing, thermostatic, or combination shower controls.



Representative for Ohio, Indiana, Kentucky, Western Pennsylvania, West Virginia

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



Representative for Ohio, Kentucky

Leader in complete control solutions for radiant floor and baseboard heating systems, multi-stage boiler plants, and automatic snow melting systems.



Representative for Ohio, Kentucky, Indiana, West Virginia, Western PA.

Manufacturers of quality brass nipples since 1901.



Representative for Ohio, Kentucky, Indiana, West Virginia, Western PA.

Flexible corrugated piping systems for natural gas and propane, as well



Representative for Ohio, Indiana, Kentucky

Premier manufacturer of plumbing valves including PRV's, control valves, backflow preventers, gate/globe/check valves, butterfly valves, hydronic heating valves, water heater installation products, quick-connect fittings,

IntelliStation™:

**The smarter way
to deliver tempered water**



The Intelligent Water Mixing and Recirculation System

The IntelliStation™ provides unmatched levels of control over hot water delivery in commercial and institutional buildings.

- Precise digital control to $\pm 2^{\circ}\text{F}$
- Smart, easy-to-use controller with color touchscreen
- BAS integration
- Access to rich system data
- Integrated pump control for reliable, consistent temperatures
- Easy commissioning, repair, and management
- Sanitization mode allows for high temperature system purges
- Compliant with lead free legislation requirements

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

POWERS™
A Watts Water Technologies Company





Paired with Sloan High-Efficiency Flushometers, our Commercial Toilet and Urinal Systems take water efficiency to the next level.



All Sloan Flushometers are made from a high level of recycled material and are 100 percent recyclable.



Sloan Bio-Deck Sinks utilize natural materials such as corn cobs and other renewable domestic agricultural materials.



Dual-Flush Side Mount Retrofit is a fast, easy way to reduce water consumption.



Sloan Hands-Free Faucets promote cleanliness, hygiene and overall health benefits.



Monitoring Systems reduce operating costs and decrease water consumption.

Water Power

To arrange a personal consultation, call us at **800.982.5839**.

Every day around the world, Sloan advanced integrated water management systems provide elegant, efficient and hygienic washroom solutions for any commercial environment.

SLOAN®

Water Connects Us™



Call — 440-944-7500

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

 **CLEVELAND
PLUMBING**
I N D U S T R Y

TOLL FREE: 855-CPI-4ALL (855-274-4255)

CLEVELANDPLUMBINGINDUSTRY.COM

MASTROIANNI & ASSOCIATES, INC.

Manufacturers' Representative of Products for the Mechanical Trades Since 1984

HOT WATER PRIMETER HEATING, STEAM, ELECTRIC RADIATORS, TOWEL WARMERS

RUNTAL RADIATORS www.runtalnorthamerica.com

LINK SEALS, PIPE SLEEVES, CASING SPACERS, END SEALS

LINK SEAL , GARLOCK , PSI, THUNDERLINE, GPT www.linkseal.com

BARCO BALL JOINTS, PACKED SLIP JOINTS, BELLOWS EXPANSION JOINTS, VENTURI FLOW METERS, SEISMIC 'V'-LOOPS

HYSpan PRECISION PRODUCTS www.hyspan.com

HEAT EXCHANGERS (SHELL & TUBE), AIR & DIRT SEPARATORS, HYDRAULIC SEPARATORS, AUTOMATIC AIR VENTS, PUMPS, SUCTION DIFFUSERS, TRIPLE DUTY VALVES

THRUSH CO www.thrushco.com

DOMESTIC WATER BOOSTER SYSTEMS, SKID MOUNTED HVAC PACKAGES

TIGERFLOW SYSTEMS www.tigerflow.com

HYDRONIC BALANCING VALVES (AUTOMATIC & MANUAL), "COIL PAKS", HOSE PAKS, BYPASS KITS

NEXUS VALVE www.nexusvalve.com

HUMIDIFIERS (STEAM, ELECTRIC, GAS, DISPERSION MANIFOLDS)

PURE HUMIDIFIER www.purehumidifier.com

EXPANSION TANKS, BUFFER TANKS, AIR SEPARATORS, GLYCOL MAKE-UP SYSTEM

JOHN WOOD CO www.johnwood.com

SUMP PUMPS & OIL MINDER / DETECTION SYSTEMS CONDENSATE / BOILER FEED / VACUUM PUMP PACKAGES

STANCOR PUMPS..... www.stancorpumps.com

FEDERAL PUMPS CO..... www.federalpumps.com

PLATE & FRAME HEAT EXCHANGERS

POLARIS..... www.polarisphe.com

PUMPS: END SUCTION, IN-LINE, RECIRCULATION

THRUSH PUMP..... www.thrushco.com

CHECK VALVES, STRAINERS, BUTTERFLY VALVES

TITAN / MUELLER..... www.titanfci.com

BONOMI www.bonominorthamerica.com

FLEX CONNECTORS, EXPANSION JOINTS, NESTED LOOPS, PIPE GUIDES

ENGINEERED FLEXIBLE PRODUCTS..... www.general-rubber.com

GENERAL RUBBER CO..... www.engineeredflex.com

VIBRATION ISOLATION - SPRING HANGERS, VIBRATION CURB BASES, INERTIA BASES

VIBRATION ELIMINATOR CO www.veco-ny.com

PRE-INSULATED PIPE SHIELDS

VALUE ENGINEERED PRODUCTS www.valueng.com

THERMOMETERS, PRESSURE GAUGES, P/T PLUGS, GAUGE ACCESSORIES

WEKSLER GLASS THERMOMETER CORP..... www.wekslerglass.com

7601 First Place Drive ~ Ste A- 13 ~ Phone: 440.786.1100 ~ Fax: 440.786.1103

www.mastroiannihvac.com

A GROWING FAMILY FOR A GROWING WORLD



Introducing the Ultra Force® XL

The State Ultra Force® family of commercial water heaters is now **BIGGER THAN EVER** with the addition of the new Ultra Force XL. The XL model extends the Ultra Force family's input range up to 1 million BTU/h while maintaining a compact footprint. Built to meet most critical load requirements, the Ultra Force XL delivers superior performance and the ease of installation Ultra Force water heaters are known for.



iCOMM remote monitoring

Up to 97% Thermal Efficiency



Represented in Ohio by



T&S IS HERE >

T&S is proud to be a trusted name across a wide range of markets — staying at the forefront of today's evolving industry and providing a vast selection of reliable solutions that meet required codes and compliances.

Learn more at tsbrass.com/markets.

Find us in



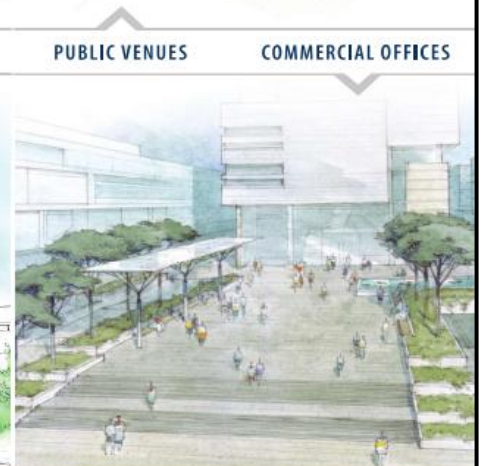
EDUCATION



PUBLIC VENUES



HEALTHCARE



COMMERCIAL OFFICES

T&S plumbing products represented in Cleveland by: Midwest Spec - 440-944-7500

CORZAN CPVC PIPING SYSTEMS



- Potable Water Distribution Systems
- Pure Water Systems
- HVAC (Hydronic and Vent Piping)
- Chemical Fluid Handling
- 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

© 2018 The Lubrizol Corporation, all rights reserved.
All marks are the property of The Lubrizol Corporation.
The Lubrizol Corporation is a Berkshire Hathaway company.

CORZAN
PIPING SYSTEMS

American Society of Plumbing Engineers
Cleveland Chapter
PO Box 5962
Cleveland, Ohio 44101-0962



CHARLOTTE
PIPE AND FOUNDRY COMPANY

**CHARLOTTE PIPE IS PROUD TO OFFER A FULL LINE OF
CAST IRON PIPE & FITTINGS MADE RIGHT HERE IN THE USA.**

visit www.charlottepipe.com

LAURA SIMONS
Field Technical Representative
609-816-2350 laura.simons@charlottepipe.com

CHARLOTTE PIPE
CAST IRON PIPE & FITTINGS MADE RIGHT HERE IN THE USA.

ASPE
AFFILIATE SPONSOR

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