

Cleveland Chapter of The American Society of Plumbing Engineers
March 2023

CHAPTER OFFICERS

President

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

V.P. Technical

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

V.P. Legislative

CHRIS STACKHOUSE
Rep Source, LLC
Email: cstackhouse@repsourcecellc.com
(614) 315-6606

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
Johnson Controls
Email: kkirschnick123@gmail.com
(216) 904-6656

AYP Group Liaison

NICK TABAR, P.E., CPD
R.L. Deppmann
Email: ntabar@deppmann.com
(440) 409-5676

WOA Group Liaison

TERRESE TUCHSCHER
Oatey Co.
Email: ttuchscher@oatey.com
(216) 319-0789

Newsletter Editor

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

From the President:



I would like to thank Jim Devlin with Midwest Spec for hosting and being our guest speaker at the February Technical Meeting on the topic, Polypropylene Piping Presentation – Demo.

Please welcome our newest member to the Cleveland Chapter; Eber Grimes with JM Verostko.

The March Technical Session will be on the topic, Siphonic Roof Drainage, presented by Lindsay Maher with Mifab.

The March 8, 2023 Dinner Meeting will be held at Harry's Steakhouse located at 5664 Old Brecksville Road, Independence, Ohio 44131.

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

Please RSVP by Noon on March 6, 2023, with Kevin Noble at knoble@sbmce.com. Dinner price is FREE. Dinner is sponsored by ASPE Cleveland Chapter. Please support your local chapter by attending. Please note, if you RSVP and are unable to attend, please cancel your reservation ASAP. ASPE is financially responsible for all registered attendees.

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

**2022-2023 ASPE Meeting/Plumbing Class Schedule
March 2023**

<u>Date – Time – Place</u>	<u>Topic</u>	<u>Speaker</u>	<u>Exhibitors</u>
September 14, 2022 – 6:00 PM Cleveland Yachting Club	Clam Bake Topic – Social Event ASPE Cleveland Chapter	N/A	N/A
October 12, 2022 – 12:00 PM Disney McLane Cost: Free (Limit 30 people)	System Startup Procedures – Emergency Gas and Digital Mixing Valves	Kim Metzger – Disney McLane	Disney McLane
November 9, 2022 – 12:00 PM S.A. Comunale Cost: Free	Constructability Fab Shop Tour immediately following	Representative from S.A. Comunale	N/A
December 14, 2022 – 12:00 PM Antonio's Brew Wall - Copley, OH See Newsletter for additional info Cost: Free	Boiler Room Gas Safety	Tony DeDionisio - AGS	Diversified Spec Sales
January 11, 2023 – 12:00 PM Harry's Steakhouse Cost: Free	NFPA 99 Medical Gas Systems Medical Gas Zone Valve Box Layout	Josh Pedraja – Pattons Medical	Pattons Medical
February 8, 2023 – 12:00 PM Midwest Spec Cost: FREE! (Limit 25 people)	Polypropylene Piping Presentation and Demonstration	Jim Devlin – Midwest Spec Sales	N/A
March 8, 2023 – 6:00 PM Harry's Steakhouse Cost: FREE!	Siphonic Roof Drain Design	Lindsay Maher - Mifab	Pinnacle Sales
April 12, 2023 – 12:00 PM R.L. Deppmann Cost: \$20	Water Heater Startup Procedure	TBD	N/A
May 10, 2023 – 6:00 PM Harry's Steakhouse Cost: \$20	Fire Protection Design Presentation by Licensed Engineer This month we will be holding our Chapter Board Elections! Please show your support and attend to cast your vote!	Dan Kascak, P.E.	N/A

**2022-2023 ASPE Meeting/Plumbing Class Schedule
March 2023**

The above is the meeting/plumbing class schedule for the 2022-2023 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:

- 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



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

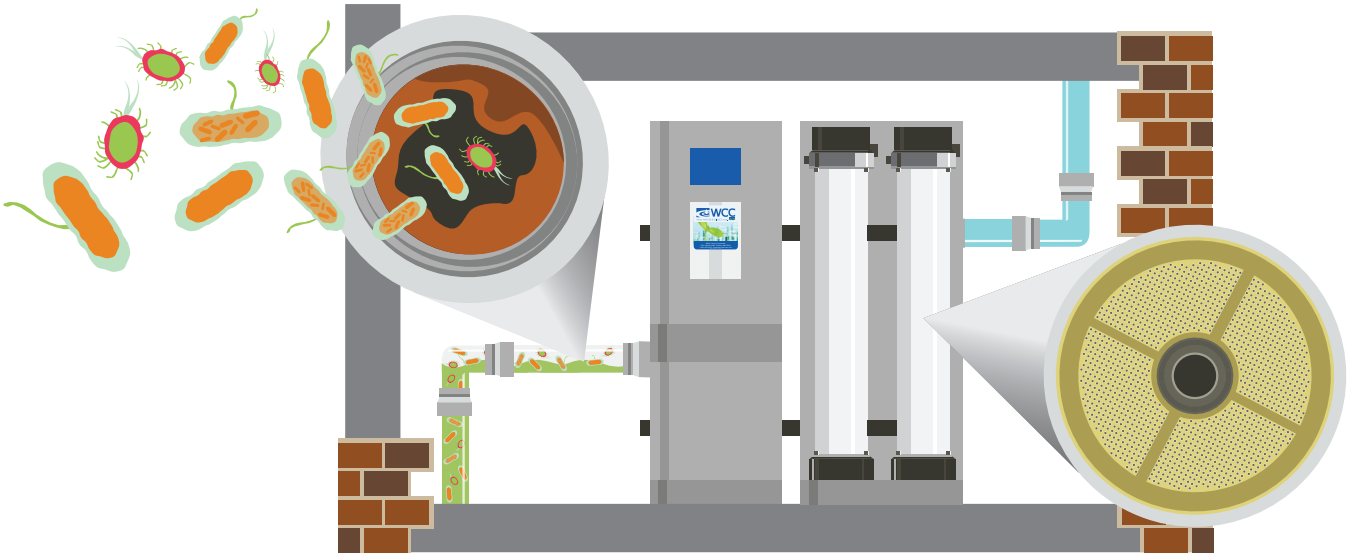
www.RepSourceLLC.com

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, Pyrotex 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



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)




seccua
German Hollow-Fiber
Membrane Technology



PROTECT YOUR FACILITY AND LEARN MORE AT WATERCONTROLINC.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

Midwest Spec.
mwspec.com

Office (440) 944-7500
Tim Morrissey (330) 242-2114
Storm Byrs (440) 213-6161
Jim Devlin (614) 403-5026

Plumbing

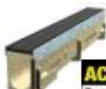


Guardian

SLOAN



SAFE-T-COVER



ACO SMITH
Trench Drain Series

T&C



HVAC



Valves, Pump Connectors and Expansion Joints

BONOMI



Trombold

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

Advance Thermal Corp.
 Removable Insulation & Acoustic Covers

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

Bell & Gossett
 Balance Valves
Automatic Flow Limiting
Manual Flow Limiting
Pressure Independent Control

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 
 Magnetic Filters
 Basic System Chemical Solutions

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

Duravent
Northern & Central Ohio
 High Performance Chimneys & Vents

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

General Water Systems
 Chemical Free Water Treatment
 Centrifugal Separators

Hoffman Specialties
 Steam Traps & Specialties
 Condensate Return Pumps
 Pressure Regulating Valves

Kadant Johnson
 Pressure Powered Pumps

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
Greater Toledo Area
 Glass Lined & Steel Storage Tanks

NTI
 Residential/Commercial Condensing Boilers
 Residential/Commercial Condensing Water Heaters

Peterson Equipment Co.
 Pressure / Temperature Test Plugs

 **ProPak Solutions**
 Hot Water/Chilled Water Pump Skid Package
 Heat Transfer Skid Package
 Steam & Hydronic Boiler Skid Package
 Air Cooled Chiller Skid Package
 Water Heater Skid Package
 Snowmelt Skid Package
 Domestic Pressure Booster Package

 **PVI**
Northern & Central Ohio
 Gas Fired Water Heaters
 Steam Fired Water Heaters
 Multiple Energy Water Heaters
 Oil & Oil/Gas Water Heaters
 Storage Tanks
 Water Quality
 Digital Mixing Valves

Rovanco
 Pre-insulated Pipe
 Containment Pipe

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

Replacing Your Water Heater Every Few Years is Not Our Business Plan



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

800.589.6120



800.784.8326 | pvi.com



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

MASTERSPEC
building specs done right



EDUCATION



PUBLIC VENUES



HEALTHCARE



COMMERCIAL OFFICES

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

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

 **PINNACLE SALES**



TRUE INDUSTRY PARTNER

**A STRATEGIC
PARTNERSHIP YOU
CAN COUNT ON**

When working with AB&I, you're part of the family. Our team cares about every customer at every level—always finding solutions to help you succeed.



CAST IRON SOIL PIPE & FITTINGS

Made in the U.S.A. • ABIFoundry.com/sales

HUSKY CR 7000

THE NEWEST MEMBER OF OUR PACK.

Husky HD 2000 | Husky SD 4000 | Husky CR 7000



316 Stainless Steel

First Heavy-duty coupling for corrosive applications

The first of its kind, the Husky CR 7000 is made with 316 stainless steel to perform better than any others in highly corrosive environments.



ChooseHusky.com



PLUMBING
TECHNICAL SERVICES

VALUE ENGINEERING: QUALITY NEVER GOES OUT OF STYLE

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



Don't Value-Engineer the Quality Out of Your System

Don't value-engineer the performance out of your next DWV plumbing project. Consider the true cost of installation when comparing piping solutions.

Reach out to your local Tech Services rep to schedule a time to go over the ASPE approved CEU Value-Engineering Considerations presentation.

RC FREY & ASSOCIATES

MANUFACTURERS' REPRESENTATIVE

REPRESENTING THE FINEST IN
COMMERCIAL PLUMBING FOR MORE
THAN 50 YEARS

330-425-2555 — WWW.RCFREY.COM



INDIANAPOLIS OFFICE
8540 E. 33RD ST.
INDIANAPOLIS, IN 46226
PHONE - (463) 777-8169
FAX - (317) 252-0749
INQUOTES@BWSOUTH.COM
WWW.BWSOUTH.COM

COLUMBUS OFFICE
4501 SUTPHEN CT
HILLIARD, OH 43026
PHONE - (614) 876-2477
FAX - (614) 876-0238
ORDERS@BWSOUTH.COM
QUOTES@BWSOUTH.COM
WWW.BWSOUTH.COM

CINCINNATI OFFICE
10849 READING RD.
CINCINNATI, OH 45241
PHONE - (513) 733-4771
FAX - (513) 733-4867
ORDERS@BWSOUTH.COM
QUOTES@BWSOUTH.COM
WWW.BWSOUTH.COM

CLEVELAND OFFICE
6111 CAREY DR UNIT 2 & 3
VALLEY VIEW, OH 44125
PHONE - (330) 655-9220
FAX - (330) 655-9222
NHHORDERS@BWSOUTH.COM
QUOTES@BWSOUTH.COM
WWW.BWSOUTH.COM

MANUFACTURERS' REPRESENTATIVES OF THE HIGHEST QUALITY PLUMBING AND SPECIALTY BUILDING PRODUCTS



CHARLOTTE PIPE AND FOUNDRY COMPANY

**NOW OFFERING
EDGE HP IRON,™**

visit www.charlottepipe.com

C. TODD GREEN
Field Technical Representative
501-352-6670 todd.green@charlottepipe.com



**SPECIALLY COATED CAST
IRON FOR AGGRESSIVE
DWV APPLICATIONS.**



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



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

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

Codes and Standards Update

The 2024 International Plumbing Code and Uniform Plumbing Code are nearing completion

The 2024 model codes are nearing completion for both the International Plumbing Code (IPC) and the Uniform Plumbing Code (UPC). As of this writing (December 2022), the dates and locations for the 2024 International Plumbing Code final action hearings are not published yet. The uniform code hearings will typically be held a little later in the year because they only go through one group of hearings in a three-year cycle.

When the dates and location are confirmed, the model code association will post the information online. The 2024 codes should be available in the fall or winter of 2023 (check each association's website for the actual publication dates). State and local jurisdictions will begin reviewing the new codes for adoption in their jurisdictions. Depending on the jurisdiction, that can be anywhere from immediate adoption in a year or more due to the steps in the legal process to adopt the codes as governing law.

Whenever you start a project, make sure to contact the local jurisdiction and determine which edition of the code will be followed for that project, then document the codes to be followed. The code that will be followed for a given project is typically identified on the construction permit application and the cover sheet for the construction documents. This allows consistency throughout the design, construction and inspection process. Some larger projects can take many years more than a code cycle to design and build.

The next model codes that you can submit changes for would be the 2024 codes for publication in the 2027 codes. Typically, the model building code organizations operate on a three-year code update cycle.

To read more on this article please follow this link [Codes and Standards Update | phcpropos](#)



A TRUSTED GLOBAL LEADER IN DIGITAL HOT WATER INNOVATION

Represented locally by:

CRAIG MCDOWELL

Call Today! (440) 808-2280

craig@omarmcdowell.com

OMC

**OMAR MCDOWELL COMPANY
SINCE 1912**

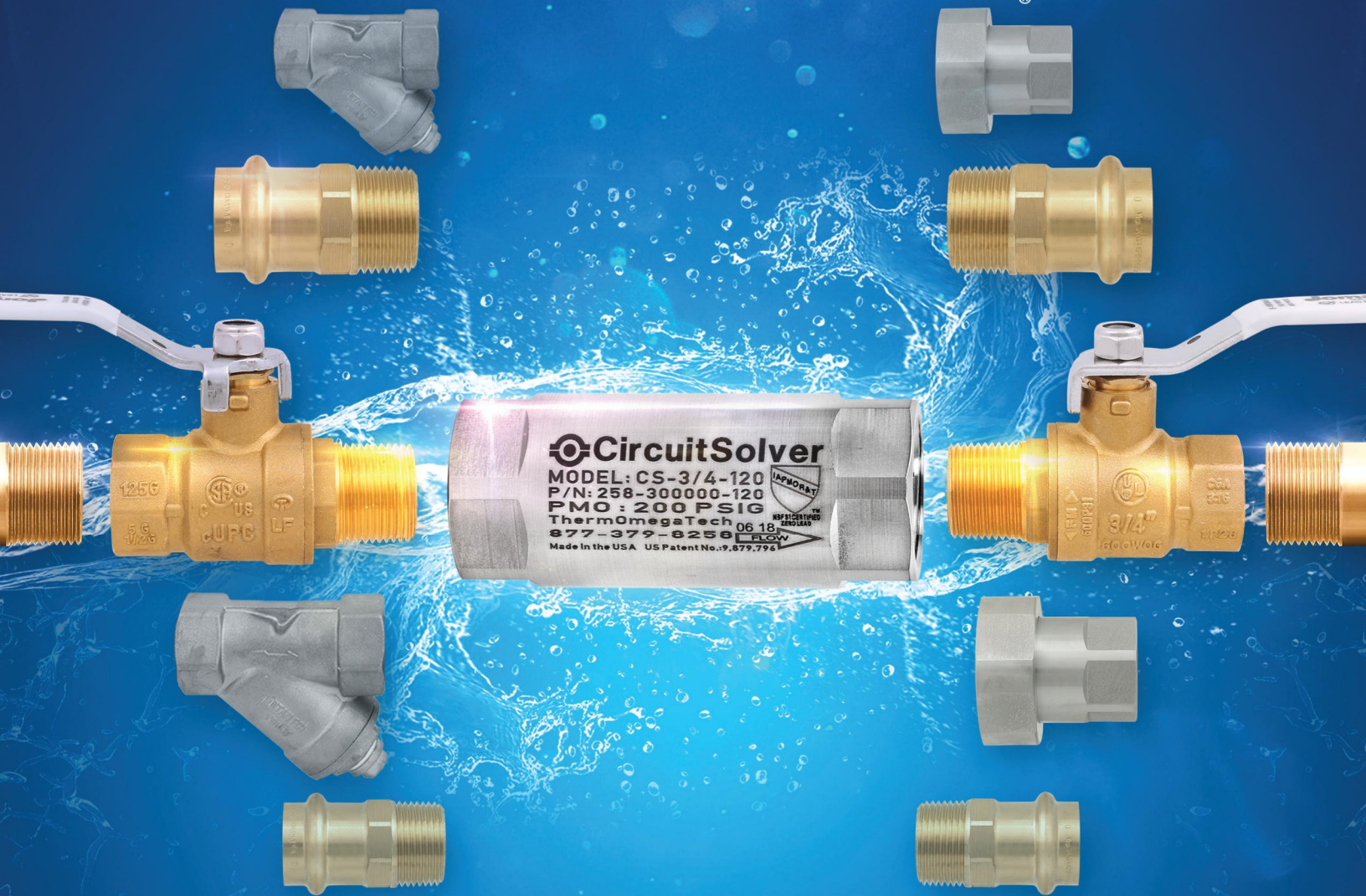


armstronginternational.com



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



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

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



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



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

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



Save the Date!



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