

# EVELAND

# **CHAPTER OFFICERS**

## President

JOHN VARGA, P.E. Scheeser 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: <a href="mailto:cstackhouse@repsourcellc.com">cstackhouse@repsourcellc.com</a>

(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 Scheeser 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 Oatev Co. Email: ttuchscher@oatey.com (216) 319-0789

# Newsletter Editor

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





# Cleveland Chapter of The American Society of Plumbing Engineers August 2022

# From the President:



The weather held out as the season began with our annual ASPE Golf Outing at Grey Hawk A special thank you to Kathy Golf Club. Kirschnick for leading the event. I would also like to thank Nick Tabar, Josh Pedraja, Dan Gallagher, Tim Jones, and all our sponsors for making this is a great event!

Please welcome our newest member to the

Cleveland Chapter; Tim Randles with Pinnacle Reps.

The annual Clambake Social at the Cleveland Yachting Club will be held on Wednesday, September 14, 2022. The event will be held at the Center Isle location. Be on the lookout for an upcoming flyer for additional information.

Registration is now OPEN! ASPE Convention & Expo 2022 will be held in Indianapolis, Indiana September 16-21, 2022! Register at www.aspe.org.

Let us know if there are any specific topics you would like to see our chapter We are always looking for new ideas. Remember, without membership and participation, there is no local chapter.

Have a Great Summer!

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





ASPE Convention & Expo 2022

09-16-21-22 INDIANAPOLIS

# 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.





**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



# **Hubbell Prime Gas Water Heater**

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

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

Hot Water Outlet -

Stainless Steel Vessel Construction available for DI & RO water applications

Digital Controller -

120Volt 5AMP required

# Advanced Blower -

Advanced premix gas/air blower for increased combustion efficiency.

# 2" Polyurethane Foam Insulation

Exceeds the requirements of ANSI/ASHRAE standards for energy efficiency and heat loss by 10%.

# 1/2" Thick Hydrastone Lined Tank

A seamless cement lining is impervious to adverse water conditions and is proven to be the most effective method of preventing tank failure due to corrosion.

# 316L Stainless Steel Heat Exchanger

Resistant to corrosion for maximum reliability and longevity.

# **Features**

40 - 119 Gallons Storage 55,000 BTU/HR Vessel Warranty - 7 yrs nonprorated Heat Xchanger - 5 yrs nonprorated

# Other Heat Exchangers

# **Permanently welded** to outer vessel

- Not removable
- ▶ Not serviceable
- ► Heat exchanger failure requires water heater replacement
- Not repairable
- > Cleaning difficult, time consuming and costly
- ➤ Significant welded surface area increases the probability of failure

# VS. ...The Prime Advantage

# **Modular Construction**

- Fully removable heat exchanger
  - Easily serviced in the field
    - ▶ Heat exchanger can be replaced without water heater removal or replacement
      - ▶ Repairable
        - Cleaning is quick and easy
          - ► Minimal welded area reduces the probability of failure

# **PRIME** Heat Exchanger Top view





# Line Card - November 2019



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, <i>Trench Former</i> – 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 wrot 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, <i>AutoBooster</i> 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. <i>CuVerro</i> copper antimicrobial sinks.	
Keltech www.Keltech-inc.com	Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation)	
Kemper Water Control www.kemperwatercontrol.com	Engineered <i>Flow Splitter</i> and <i>Balancing Valve</i> system technology for potable 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.	
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 <i>Oasis</i> and <i>Sunroc</i> 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 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	
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. <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.	
TOTO USA www.totousa.com	Global Manufacturer of Residential and Commercial Plumbing Fixtures, <i>Washlet</i> toilet seat, <i>NeoRest</i> 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:	Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), Bathroom	

# LEGIONELLA:

Don't Manage the Symptoms. Control the Cause!



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

# **HIGH-CAPACITY ULTRAFILTRATION**





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



- 99.999% removal of Legionella and pathogens (3rd party-verified)
- · A firewall for the entire building
- Drastic reductions in nutrients and biofilms
- 500 GPM+, minimal pressure loss
- Self-cleaning, long-lasting, low maintenance
- Automatic membrane integrity verification (Meets strict EPA guidelines)







# PRODUCT LINECARD

# **NORTHERN OHIO**

Cleveland

800.589.6120 | Deppmann.com

# 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-Steem**

## 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

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

# 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.

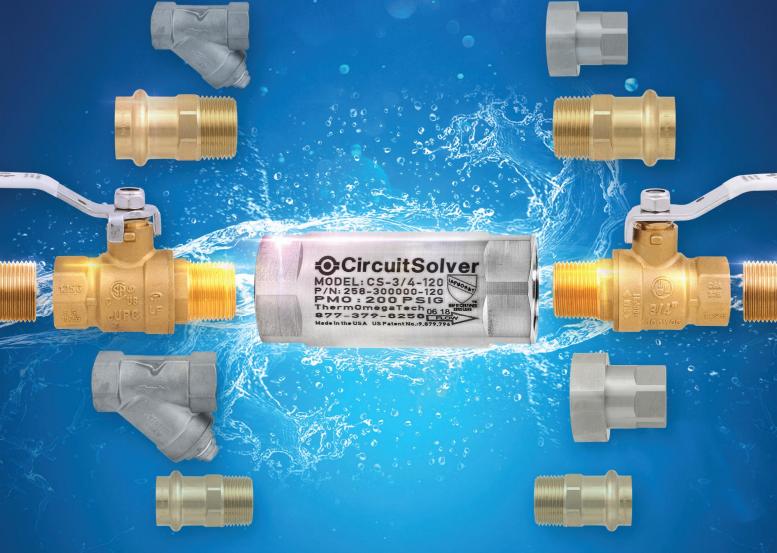
Call R.L. Deppmann or visit our Monday Morning Minutes blog at deppmann.com for information on PVI Water Heaters





# 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.



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

# 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





Represented in Ohio by





# 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

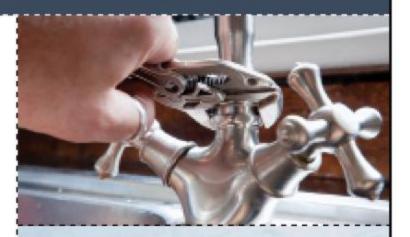
# HIGHLY-TRAINED PLUMBERS

# 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



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

CLEVELANDPLUMBINGINDUSTRY.COM



# **CAST IRON SOIL PIPE & FITTINGS**

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

# HUSKY CR 7000 HUSKY CR 7000 THE NEWEST MEMBER OF OUR PACK.



HUSKY

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



# 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 pluming 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.



Viega ProRadiant

Heating and Cooling Systems

Professional design assistance available for your next project.

# 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,



NFB Series

Mavien.

NFB Condensing Wall Hung Fire Tube Boilers



GERBER.

**Heat-Flo All-Stainless** Steel Products



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





- · All stainless tank and coil.
- Over 2" of insulation with less than 17 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.





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

# MASTROIANNI & ASSOCIATES, INC. Manufacturers' Representative of Products for the Mechanical Trades Since 1984

HOT WATER PRIMETER HEATING, STEAM, ELECTRIC RADIATORS, TOWEL WA	ARMERS
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, METERS, SEISMIC 'V'-LOOPS	<u>VENTURI FLOW</u>
HYSPAN PRECISION PRODUCTS	www.hyspan.com
HEAT EXCHANGERS (SHELL & TUBE), AIR & DIRT SEPARATORS, HYDRAULIO	-
AUTOMATIC AIR VENTS, PUMPS, SUCTION DIFFUSERS, TRIPLE DUTY VALVES THRUSH CO	
DOMESTIC WATER BOOSTER SYSTEMS, SKID MOUNTED HVAC PACKAGES  TIGERFLOW SYSTEMS	www.tigerflow.com
	•
HYDRONIC BALANCING VALVES ( AUTOMATIC & MANUAL), "COIL PAKS", HO NEXUS VALVE	•
NEXUS VALVE	www.nexusvaive.com
HUMIDIFIERS (STEAM, ELECTRIC, GAS, DISPERSION MANIFOLDS)	
PURE HUMIDIFIER	www.purehumidifer.com
EXPANSION TANKS, BUFFER TANKS, AIR SEPARATORS, GLYCOL MAKE-UP	CVCTEM
JOHN WOOD CO	
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	
	www.thrushco.com
OUEOK VALVEO OTDAINEDO BUTTEDELVIVALVEO	
CHECK VALVES, STRAINERS, BUTTERFLY VALVES  TITAN / MUELLER	www.titanfci.com
BONOMI	
FLEX CONNECTORS, EXPANSION JOINTS, NESTED LOOPS, PIPE GUIDES	
ENGINEERED FLEXIBLE PRODUCTS	
GENERAL RUBBER CO	www.engineeredflex.com
VIBRATION ISOLATION - SPRING HANGERS, VIBRATION CURB BASES, INERT	
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

# UNEQUALED QUALITY.



# CALBBEO.

Service • Support • Supply

Manufacturer's Representatives

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

# 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



# WOODFORD MANUFACTURING COMPANY

Excellence. Always.

800.621.6032 - www.woodfordinig.com



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.







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 +/-2°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







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





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







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



<sup>\*\*</sup> Local Chapters are not authorized to speak for the Society