



Cleveland Chapter of The American Society of Plumbing Engineers June 2017

From the President:



I would like to thank Ron Mims with Acorn Engineering for being our guest speaker at the May Technical Meeting on the topic of Vacuum Plumbing Systems.

Congratulations to the ASPE Cleveland Chapter Board for re-election! The Cleveland Chapter will continue our efforts next season to have a mix of technical meeting topics at various locations.

The 2017 Region 2 President's Meeting was hosted by the Eastern Michigan Chapter in Detroit on June 3. Lots of great ideas transpired from this meeting which will be passed on to our board. A special thanks to them for hosting a great event!

I would like to also welcome our newest member to the Cleveland Chapter; Adam Lesiak with McHenry & Associates.

Let us know if there are any specific topics or field trips 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.

Have a great summer!

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



Hotel Bonaventure Montréal | Montréal, Québec

Start Planning Ahead!!

Click here for information on:

- Obtaining a U.S. Passport
- Renewing a U.S. Passport
- Modifying a current U.S. Passport

CHAPTER OFFICERS

President JOHN VARGA, P.E. Scheeser Buckley Mayfield, Inc. Email: jvarga@sbmce.com (330) 896-4664 (330) 896-9180 (fax)

V.P. Technical DIETER HAUSMANN, P.E. CPD, LEED AP TES Engineering Email:kdhausmann@tesengineering.com (440) 871-2410

V.P. Legislative KEVIN CONYNGHAM Libb Company Inc. Email: kevinc@libbco.com (800) 362-9719 (800) 451-0221 (fax)

V.P. Membership GREG TROMBOLD Trombold Equipment Company Email: gtrombold@hotmail.com (216) 663-8700 (216) 663-8702 (fax)

Treasurer KEVIN NOBLE, P.E., LEED AP Scheeser Buckley Mayfield, Inc. Email: knoble@sbmce.com (330) 896-4664 ext. 114 (330) 896-9180 (fax)

Administrative Secretary DAN EVANS, P.E.,CPD, GPD, LEED AP HEI Engineering Group, Inc. Email: evans@hei-ohio.com (330) 262-0042 (330) 262-0392 (fax)

Corresponding Secretary CRAIG McDOWELL Omar McDowell Company Email: craig@omarmcdowell.com (440) 808-2280 (440) 808-2266 (fax)

Affiliate Liaison

KATHY KIRSCHNICK Spirax Sarco Email: kkirschnick123@gmail.com (216) 533-7747 (216) 904-6656 (cell)

Newsletter Editor

MICHAEL DRAB Thorson Baker & Associates, Inc. Email: mdrab@thorsonbaker.com (330) 659-6688 (330) 659-6675 (fax)

ASPE Cleveland Chapter

2017 Golf Outing Sign up Form



This years golf outing will be held at Fowlers Mill Golf Club, which is located at 13095 Rockhaven Road, Chesterland Ohio.

The cost per golfer is \$125.00. Dinner only will be \$50.00. The cost per golfer after deadline will be \$140.00 each

Sign up on the enclosed form and return no later 7-3-17

Hole sponsorship is \$150.00 per hole. We will also have event and lunch sponsors if you are interested contact me.

Mark **August 3rd** on your calendar now. Arrive at the course by 10:30 am Shot Gun Start at 12:00 noon

List your foursomes below

Contact person: 216-391-3700 Tim Foresta or Kyle Shock

Highlights

♦ 50/50 raffle

Company Name

- Lunch and dinner provided
- Over \$1,000.00 in door prizes

On course beverages



ASPE Cleveland Chapter

Mail to: ASPE CC: Tim Foresta, Kyle Shock 3135 Euclid Ave. Cleveland, OH 44115

Phone: 216-391-3700 Fax: 216-391-0108 Email: tforesta@karpinskieng.com Email: kshock@karpinskieng.com

1st foursome		
		Name
□	Π	Address
2nd foursome		
□	□	Fax Number
		Phone

Entry Form

ASPE Golf Outing

ASPE 2017 golf outing August 3rd Fowlers Mill golf club

SPONSORSHIP FORM

• The cost for a hole sponsorship is \$150.00 per hole. If you have two manufacturers that would like to sponsor a hole, make a copy of the form and send in both copies. Please call Tim Foresta or Kyle Shock if you have any questions (216) 391-3700.

1. Company Name				
2. Phone #	1			1807 - 199
3. Contact Name		*		
			-	

WORDING FOR SIGN (40 LETTER LIMIT)

- The hole in one sponsorship is also available. The company that contacts me first to take advantage of this will receive the following. Mention in the ASPE newsletter, a banner at the club with their name on it, and recognition at the dinner for their support. The cost for this is \$550.00
- Lunch sponsorship is also available cost \$350.00 with the same recognition as above, however the sign will be on the putting green with the companies listed that provide lunch sponsorship. I will only be accepting the first three companies that contact me on this.

Please send your check to Karpinski Engineering, 3135 Euclid Ave., Cleveland, OH 44115. Deadline for registering for the golf outing or hole sponsorship is July 5th.



west



Where Service + Kr	nowledge = Solutions! <u>www.mwspec.com</u>
HUDOR STONEMAN* Access Doors Murdock Hydranis Hourtains Weter Coolars Excluding NW Ohio	Brimar Pipo Markers Valve Tags Nays Excluding MW Ohlo
High Performance & General Purpose Buttlerfly Valves; Biofrio & Proumatio Aduators & Controls.	Lawstory Stations Shower Systems Water Coolers Vater Coolers Patient Care Flutures
Instantaneous Water Heaters Mini Tank Heaters Mini Tank Heaters Excluding NW Ohlo	Accent CONTROLS Auder Moding Valves Safety Mixing Valves Tempering Valves TIP Valves
CS Defender	FLEX-HOSE CO., INC.
Guardian • Emergency Eye Wesh & Showers • Skid Mountod Tepid Water Generators	ENCLOSURES DESIGNED FOR THE WORLD'S WHER SYSTEMS"
SLOAN, Bustainable Restroom Bolutions	Oralnage Products Oralnage Products Trench Drains Excluding NW Ohio
Commercial Fauorits Lead- Free Since 2010 I	Steam Specially Products: Condensate Pumps
WEIL-McLAIN Excluding NW Ohlo Commercial Bollers	AMERICAN GAB BAFETY
29315 Wickliffe, OH	rn OH Office: Clayton Ave. 44092 440-944-7500 @mwspec.com нов селано нов селано

Chop \ Industrial, Mechanical & Plumbing Professionals



Domestic Cast Iron Soil Pipe & Fittings

* ABRI * USA

AB&I Foundry, founded in 1906, manufactures cast iron soil pipe and fittings for DWV plumbing systems. Based on RELIABILITY, our products are built to last with unsurpassed performance and durability. Best of all, they're made right here in the USA. See for yourself what a difference RELIABILITY can make. We invite you to learn more about our products by visiting ABIFoundry.com.

INTEGRITY and RELIABILITY—That's the AB&I way.





Learn more about reliable products and order our new product catalog at GotIron.us

ABIFoundry.com 800-GOT-IRON (800-468-4766) 7825 San Leandro Street Oakland, CA 94621

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!



Service • Support • Supply

Manufacturer's Representatives

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

WOODFORD MODEL 67 FREEZELESS WALL HYDRANT: BEST SELLERS.



Woodford 67 series are the best-selling commercial wall hydrants in the nation. With good reason.

They drain automatically, even with a hose attached. They're high flow and maintenance-free. They have fewer parts to wear out than competitive hydrants. And they won't freeze.

They're guaranteed for five years. They set the standard other faucets can only hope to reach.

WOODFORD



Excellence. *Always.* 800.621.6032 • www.woodfordmfg.com





Viega System Solutions

Multiple materials, many solutions One provider



For more information, contact:

Carl Petitt, Jr. Technical Manager - Great Lakes carl.petitt@viega.us (614) 852-2691 Dan Meredith District Sales Manager dan.meredith@viega.us (440) 241-4939



www.viega.us

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

Condensing Water Heater

399 = 500 = 600 = 700 and 800 MBH Models 130 Gallon Tank

QUES

15-YEAR TANK AND HEAT EXCHANGER **CORROSION WARRANTY**

UP TO 97% THERMAL EFFICIENCY **AT FULL RATE FROM** 40°F TO 140°F

SEAMLESS VFD **MODULATION REDUCES CYCLING** AND IMPROVES **EFFICIENCY UP TO** 99% DURING LOW LOAD CONDITIONS

TANK AND HEAT **EXCHANGER MADE ENTIRELY FROM AquaPLEX**® **DUPLEX STAINLESS STEEL ALLOY**

TOUCH-SCREEN OPERATING CONTROL WITH PLAIN-TEXT DIAGNOSTICS





Intertek

Intertek

NSF 5

NSF 372 lead-free

ASHRAE 90.1 - 2013 compliant **SCAQMD** compliant



Featuring...



No tank linings. No anodes of any type.

Conquest[•]

@PVT

AquaPLEX"



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-Steem 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

NORTHERN OHIO Cleveland 800.589.6120 | Deppmann.com

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

12

28

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

> 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.

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

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

Water Power

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[™]



mwspec.com Call - 440-944-7500



Serving Northern ()hio Since 1933



Lakeside Supply Company was founded in 1933 as a wholesale vendor of plumbing, heating, and industrial supplies to the northern Ohio marketplace. Over the years we have endeavored to provide services and products of the highest quality to the contractor, industrial, and commercial marketplace.

3000 West 117th Street Cleveland, OH 44111-1667 Ph. 1-800-537-1234 Ph. 216-941-6800 Fax 216-941-8408 sales@lakesidesupply.com SERVICES Valve Automation Electric & Pneumatic Lakeside Managed Store Rooms

TOOLS RIDGE TOOL LENOX CHAMPION REED MFG WHEELER-REX SUMNER MFG RAWL JET-SWET COB PIPE FREEZING PASCO SPECIALTY TOOLS CHERNE TEST BALLS CHANNELLOCK GOSS TORCHES TURBOTORCH VERMETE Street Keys Grinding Wheels & Brushes Extension Cords & Gfi¹s

TOOL RENTALS

VICTAULIC-GROOVING MACHINE ENFUSION TOOL ENPURE TOOL MCELROY FUSION PPR RIDGE PRO-PRESS EXACT PIPE CUTTING SYSTEM

Please visit lakesidesupply.com/products for full listing Hours: Mon-Fri 7:30 am 5:00 pm | City Counter Open: Mon-Fri 7:30 am-4:30 pm | Closed for National Holidays

PURELY AMERICAN

NO FOREIGN MATTER

American craftsmanship is alive and well at Charlotte Pipe and Foundry.

When you specify cast iron pipe and fittings from Charlotte Pipe and Foundry, you know exactly what you're getting. Charlotte cast iron products always meet ASTM and CISPI standards, and we don't stop there. To achieve uniform quality, we tightly control the chemical properties and temperature of our iron. We measure weight, thickness and laying length for dimensional accuracy. And, we date stamp every piece of cast iron pipe we make. Be proud to specify American.



CHARLOTTE PIPE AND FOUNDRY COMPANY

You can't beat the system.*

NEET KOUR NEW GO-TO" PRODUCT

APPLICATIONS: Potable, Food grade, HVAC, Domestic Hot & Cold, Greywater, Industrial, Fire sprinkler, Irrigation, Geothermal, Radiant Heating & Cooling

-CORROSION FREE PP-R -10-YEAR WARRANTY -LEAK-FREE HEAT FUSION JOINTS -75% REDUCED LINEAR EXPANSION -1/2" TO 4" SOCKET FUSION -6" TO 24" BUTT FUSION



614-876-2477 www.aquatherm.com







www.cooldrainflow.comreturn, heat exchanger and dehumidifier lines to temper drain water below 140 deg F.Creative Industries www.creative-terrazzo.comPre-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.eemaxinc.comElectric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters.Hydrotek www.hydrotekintl.comSensor operated Faucets, Flush Valves and Showers. Solar powered AC and DC operation. All product comply with the ARRA and BAA and are available in 2014 low lead requirements.Just Manufacturing / EBC www.justmfg.comStainless steel commercial, institutional & residential sinks. EBC stops/supplies, cast p-traps, cast & tubular waste fittings.Keltech www.keltech-inc.comElectric Instantaneous water heaters. (A subsidiary of Bradley Corporation)Liberty Pumps www.libertypumps.comSump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages.	A Better Idea/Quick Block/EZ Sleeper www.pipeease.com	<i>E-Z Sleeper / Quick Block</i> – Rooftop pipe support blocks	
Bradley Corporation www.bradleycorp.comNavigator thermostatic mixing valves, showers, safety equipment, metering faucets, security fixtures, patient care units, Terreon solid surface products, Evero natural quartz products.Cool Drain Flow www.cooldrainflow.comDrain Line Tempering Kits for commercial kitchen equipment, boiler blow down drain lines, condensate 		Pre-sloped polymer trench drains, <i>Trench Former</i> – pre-sloped trench drains systems.	
www.cooldrainflow.comreturn, heat exchanger and dehumidifier lines to temper drain water below 140 deg F.Creative Industries www.creative-terrazzo.comPre-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.eemaxinc.comElectric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters.Hydrotek www.hydrotekintl.comSensor operated Faucets, Flush Valves and Showers. Solar powered AC and DC operation. All product comply with the ARRA and BAA and are available in 2014 low lead requirements.Just Manufacturing / EBC www.justmfg.comStainless steel commercial, institutional & residential sinks. EBC stops/supplies, cast p-traps, cast & tubular waste fittings.Keltech www.keltech-inc.comSump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages.Marlo www.marlo-inc.comCommercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized wate treatment equipment.Oasis InternationalOasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of	Bradley Corporation www.bradleycorp.com	Navigator thermostatic mixing valves, showers, safety equipment, metering faucets, security fixtures,	
www.creative-terrazzo.comconcrete or glass counter tops and custom terrazzo products.Eemax www.eemaxinc.comElectric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters.Hydrotek www.hydrotekintl.comSensor operated Faucets, Flush Valves and Showers. Solar powered AC and DC operation. All product comply with the ARRA and BAA and are available in 2014 low lead requirements.Just Manufacturing / EBC 		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.	
www.eemaxinc.comElectric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters.Hydrotek www.hydrotekintl.comSensor operated Faucets, Flush Valves and Showers. Solar powered AC and DC operation. All product comply with the ARRA and BAA and are available in 2014 low lead requirements.Just Manufacturing / EBC www.justmfg.comStainless steel commercial, institutional & residential sinks. EBC stops/supplies, cast p-traps, cast & tubular waste fittings.Keltech www.Keltech-inc.comElectric Instantaneous water heaters. (A subsidiary of Bradley Corporation)Liberty Pumps www.libertypumps.comSump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages.Marlo www.marlo-inc.comCommercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment.Oasis InternationalOasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of			
www.hydrotekintl.comcomply with the ARRA and BAA and are available in 2014 low lead requirements.Just Manufacturing / EBC www.justmfg.comStainless steel commercial, institutional & residential sinks. EBC stops/supplies, cast p-traps, cast & tubular waste fittings.Keltech www.Keltech-inc.comElectric Instantaneous water heaters. (A subsidiary of Bradley Corporation)Liberty Pumps www.libertypumps.comSump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages.Marlo www.marlo-inc.comCommercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment.Oasis InternationalOasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of		Electric Instantaneous water heaters, DI and booster heaters, emergency shower eyewash heaters.	
www.justmfg.com tubular waste fittings. Keltech www.Keltech-inc.com Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation) Liberty Pumps www.libertypumps.com Sump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages. Marlo www.marlo-inc.com Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment. Oasis International Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of	Hydrotek	Sensor operated Faucets, Flush Valves and Showers. Solar powered AC and DC operation. All products comply with the ARRA and BAA and are available in 2014 low lead requirements.	
www.Keltech-inc.com Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation) Liberty Pumps Sump, drain and condensate, effluent, sewage, grinder, macerating toilet and engineered pump system packages. Marlo Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water reatment equipment. Oasis International Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of			
www.libertypumps.com packages. Marlo Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment. Oasis International Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of		Electric Instantaneous water heaters. (A subsidiary of Bradley Corporation)	
www.marlo-inc.com treatment equipment. Oasis International Oasis International, headquartered in Columbus, Ohio, manufactures and distributes a wide range of			
		Commercial & industrial water softeners, media filters, reverse osmosis, dealkalizers and deionized water treatment equipment.	
Plumberex Pro-Extreme, Trap Gear, Handy Shield Maxx and Clear Shield lavatory trap and riser insulation kits. www.plumberex.com Mushroom Flange and Floor Sink Carrier specialty products.			
Raychem / Pentair Thermal Heat Tracing www.pentairthermal.com <i>HWAT-Plus</i> self-regulating heating cable system for domestic hot water, XL-Trace freeze protection cable, <i>Pyrotenax MI</i> and <i>Electromelt</i> snow and anti-icing cable, <i>IceStop</i> roof and gutter de-icing cable, <i>RaySol</i> floor warming and freezer frost heave cable, <i>QuickNet</i> floor heating cable.		cable, Pyrotenax MI and Electromelt snow and anti-icing cable, IceStop roof and gutter de-icing cable,	
Schott Scientific Glass / Kimax Glass piping for acid waste and containment piping systems. Knight-Ware acid neutralizing sumps.		Glass piping for acid waste and containment piping systems. <i>Knight-Ware</i> acid neutralizing sumps.	
Summit Ice Melt SystemsRoof Ice Melt Systems. Radiant Edge HotSlot, Radiant Edge LT, Radiant Edge PRO, Radiant Edge LowSlope, Radiant Edge Valley, Heated Standing Seam Metal Roofing.			
Tyler Pipe American made CISPI, Cast Iron Pipe ,Fittings, and Couplings.	Tyler Pipe www.tylerpipe.com	American made CISPI, Cast Iron Pipe ,Fittings, and Couplings.	
Wade Drainage Cast iron floor drains, floor sinks, roof drains, cleanouts, carriers, interceptors, hydrants, shock absorbers, trap primers, access covers,, trench drains, <i>Hydromax</i> Siphonic Roof Drainage System.	www.wadedrains.com	Cast iron floor drains, floor sinks, roof drains, cleanouts, carriers, interceptors, hydrants, shock absorbers, trap primers, access covers,, trench drains, <i>Hydromax</i> Siphonic Roof Drainage System.	
Water Control Corporation www.watercontrolinc.comRainwater Reclaimation Systems with Ultraviolet or Ozone purification, vortex downspout separators, storage tanks and complete controls for turnkey systems.			
Waterless Company www.waterless.comWaterless "No Flush" vitreous china and fiberglass urinals with EcoTrap and Blue Seal liquid, UTC Sentinel sensor flushing systems. Everprime floor drain trap primer liquid. Greencleen chemicals.			
Xerxes Fiberglass oil, grease, solids interceptors, and decontamination tanks		Fiberglass oil, grease, solids interceptors, and decontamination tanks	
Additional Products Distributed: Bathroom Partitions (solid plastic, baked enamel, stainless steel, laminate and phenolic), www.repsourcellc.com Bathroom Accessories, Lockers (solid plastic and metal), Water Treatment Products.			

Odorless. Worryless. Costs less.

LEED® Applicable!

WATERLESS.

No-Flush[™] Urinals



RETROFIT / NEW CONSTRUCTION

- · Lowest Long Term Cost
- · Most Simple System
- · Longest Installation History
- · No Overflows
- · Reduces Waste Volume
- · Reduces Vandalism

PROFESSIONAL CONSERVATION™, SINCE 1991

RepSource, LLC

107 Cypress Street S.W., Reynoldsburg, OH 43068 740.927.6880 or 888.927.4244

www.waterless.com



0

Finally -A Simple Solution to an Age Old Plumbing Problem

EVERPRIME[®] Simply Add It ... and Forget It!

Works great in unused floor and shower drains, sinks and water fountains, toilets/urinals, condensate drains and other unprimed or unused drains.

Yep, it's that good!

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

HOT WATER PRIMETER HEATING, STEAM, ELECTRIC RADIATORS, TOWE	L WARMERS
RUNTAL RADIATORS	www.runtalnorthamerica.com
LINK SEALS, PIPE SLEEVES, GASKETS	
LINK SEAL , GARLOCK , PSI, THUNDERLINE, GPT	www.linkseal.com
BARCO BALL JOINTS, PACKED SLIP JOINTS, BELLOWS EXPANSION JOIN METERS, SEISMIC 'V'-LOOPS	<u>TS. VENTURI FLOW</u>
HYSPAN PRECISION PRODUCTS	www.hyspan.com
HEAT EXCHANGERS (SHELL & TUBE), REPLACEMENT TUBE BUNDLES, A	R/DIRT SEPARATORS AIR
PURGERS, AUTOMATIC AIR VENTS, PUMPS, SUCTION DIFFUSERS, TRIPLE	
THRUSH CO	
DOMESTIC WATER BOOSTER SYSTEMS, SKID MOUNTED HVAC PACKAGE	S
TIGERFLOW SYSTEMS	
HYDRONIC BALANCING VALVES (AUTOMATIC & MANUAL), "COIL PAKS",	METERING STATIONS
NEXUS VALVE	
HUMIDIFIERS (STEAM, ELECTRIC, GAS) PURE HUMIDIFIER	www.purehumidifer.com
EXPANSION TANKS, BUFFER TANKS, AIR SEPARATORS, GLYCOL MAKE-	
JOHN WOOD CO	www.johnwood.com
CONDENSATE / BOILER FEED / VACUUM PUMP PACKAGES, END SUCTIO SUMP PUMPS & OIL MINDING PUMP SYSTEM	N & SPLIT CASE PUMPS
FEDERAL PUMPS CO	www.federalpumps.com
PLATE & FRAME HEAT EXCHANGERS	
POLARIS	www.polarisphe.com
PUMPS: END SUCTION, SPLIT CASE, VERTICAL IN-LINE, VERTICAL TURB	INES
FEDERAL PUMPS CO	
CHECK VALVES, STRAINERS, BUTTERFLY VALVES, GROOVED PRODUCT	rs
MUELLER STEAM SPECIALTIES	
FLEX CONNECTORS, EXPANSION JOINTS, NESTED LOOPS, PIPE GUIDES	
GENERAL RUBBER CO., ENGINEERED FLEXIBLE PRODU	CTS www.general-rubber.com
VIBRATION ISOLATION	www.engineeredflex.com
VIBRATION ELIMINATOR CO	www.veco-ny.com
	2
PRE-INSULATED PIPE SHIELDS VALUE ENGINEERED PRODUCTS	www.valuong.com
	www.valueny.com

7601 First Place Drive ~ Ste A- 13 ~ Phone: 440. 786.1100 ~ Fax: 440.786.1103

www. mastroiannihvac.com

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.

J

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

JCLEVELAND PLUMBING

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

CLEVELANDPLUMBINGINDUSTRY.COM

The Plumbing Engineers' Best Solution





The Phoenix 316L Stainless Steel Tank

- 55 to 119 gallon units
- 100 to 199K Btuh units
- Venting: PVC / CPVC
- Up to 97% efficiency
- Load matching modulation
- 5:1 turndown ratio



Everlast

Lifetime Residential Warranty Electric Water Heater

- 316L stainless steel tank
- No anode rods needed
- Precision laser welding
- Lightweight
- Highly efficient 2" foam
 Insulation

10 Year Limited Commercial Warranty & Lifetime Limited Residential Warranty (with online registration)







www.htproducts.com

Stainless Steel



Phoenix LD

316 Stainless Steel Tank

- 50 to 80 gallon units
- 76K Btuh units
- No anode rods needed
- Venting: PVC / CPVC
- Up to 97% efficiency
- Load matching modulation
- Up to 154 gal. 1st hr. rating



(614) 876-2477 Hilliard, Ohio

The Bradford White Brute[®] Line-Up

A Powerful Selection of Residential and Commercial Boilers and Volume Water Heaters

Bradford White's comprehensive line of boilers and volume water heaters includes products with inputs of

50,000 to 4,000,000 BTU/Hr. and thermal efficiencies as high as 99%. Each one is ruggedly built for long



service life and offers a contractor-friendly design for easy installation. You can count on innovative heat transfer technology and advanced control features that maximize efficiency. Look to Bradford White Brute[™] boilers and volume water heaters for a solution to your next residential or commercial application.





BRADFORD WH









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

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