

Board of Directors

President

Mike Panco
Consultant
610-497-4480
flaresideone@verizon.net

Technical Vice President

David C. Smith, PE, LEED AP
Gannett Fleming
610-804-0069
davidcsmith01@gmail.com

Legislative Vice President

W. Kenneth Clark
Zurn Industries, LLC
302-376-9170
ken.clark@Zurn.com

Membership Vice President

Matthew Martin
James Martin Company
215-669-2076
mmartin@james-martin.com

Education Chairperson

Dawn Bishop
Rich-Tomkins Company, Inc.
610-859-6060
dawn1aspepresident@gmail.com

Treasurer

Bill O'Donnell, CPD, FASPE
PWI Engineering
215-241-9100
wodonnell@pwius.com

Administrative Secretary

James Eyrich
L&R Associates
267-308-0500
jeyrich@landrassocinc.com

Corresponding Secretary

James Wardell
Cope-Wardell-Ammon Assoc. Inc.
610-485-2828 ext. 26
info@aspephila.org

Webmaster & Newsletter Editor

Marc K. Pisarek
Pisarek Engineering P.C.
856-854-5445
marc.pisarek@gmail.com



Chapters are not authorized to speak for the Society

January Issue

In this month's issue:

See [page 14](#) for the Affiliate's Corner and pictures from last month's dinner meeting.

See [page 15](#) for information on Women of ASPE (WOA) and instructions on how to join!

See who attended last month's meeting on [page 27](#).

This month's dinner meeting topic will be Roof Drains, and will be at Georgine's in Bristol, PA.

Make sure to RSVP and we hope to see you there!

President's Message.....	2	Speaking Out	22
Technical Corner	4	Affiliates Corner	14
Legislative News	6	Last Month's Attendees	27
Membership News.....	8		

Earn CEU and PDH credit at each Dinner Meeting.

COMMITTEES

Board of Governors

Dawn Bishop
Steve Ziga

Golf Committee Chair

Bill O'Donnell, CPD, FASPE
PWI Engineering
215-241-9100
wodonnell@pwius.com

Product Show Chair

Michael Panco
Consultant
610-497-4480
flaresideone@verizon.net



Affiliate Liaisons

Michael Yearian
Red Lion Medical Safety, Inc.
Red Lion Medgas Consultants, Inc.
302-545-3225
michael@redlionmedical.com

Social Activities Committee

Dawn Bishop
Rich-Tomkins Company, Inc.
610-859-6060
dawn1aspepresident@gmail.com

ASPE Plumbing Design School Chair

Dawn Bishop
Rich-Tomkins Company, Inc.
610-859-6060
dawn1aspepresident@gmail.com



We are online at www.AspePhila.org.



PRESIDENT'S MESSAGE



Mike Panco
President

Hello:

This year so far has the Board running in many directions. Late in December I received an inquiry to try to expand our area for dinner meetings. Our Board has spent many hours visit-

ing locations that can accommodate up to 60 people and have a quiet room so members can listen to the guest speakers. Oh by the way we have members that travel from Camp Hill Pa. and from North Jersey to attend our meetings every month. Kudos to those dedicated members that make the effort! If a member knows of a good location please go and meet with the management and send us the information, we will make every attempt to visit and evaluate the potential location for the next open dinner meeting.

During the first couple of days in January we received notice that Philadelphia is reviewing the 2018 IPC (International Plumbing Code). An organization called Building Industry Association of Philadelphia (BIA) is working with an advisory board in Philadelphia and L & I to review and update the Philadelphia Plumbing Codes. The 2018 IPC is the model and the Advisory Board is proceeding with hearings to review and approve with

major changes. One major issue our ASPE Chapter has is there are no professional Engineers on the Advisory Board. We wrote an email to the BIA strongly recommending that the Advisory Board provide a more inclusive committee with Engineers that are very knowledgeable with the current codes. The meeting was scheduled for Thursday January 4TH. Well the meeting was canceled due to the snow storm, we were advised that our Chapter would be notified of the new meeting date, we will make every effort to attend and voice our recommendation to the Advisory Board and the Building Industry Association of Philadelphia. Having a Professional Engineer registered in Pennsylvania and possible working on many Philadelphia projects would be a great asset and benefit the people who live and work in Philadelphia. In closing our Organization was founded to improve the health of our citizens through good plumbing design and safe installations.

So if anyone has the desire to dedicate time to this important endeavor please step forward.

All my best,

Mike



**VIDEOS, INFO
AND MORE!**
Visit Noble's NEW website:
www.noblecompany.com

**FUNCTION WITH
STYLE**

- Clamping ring makes FreeStyle the most watertight installation on the market
- High capacity and low profile...Ideal for barrier free showers
- Internal slope with flat bottom makes for a hassle-free installation

FreeStyle Linear Drain™

SNAP FOR MORE
PRODUCT INFO

Noble Company
www.noblecompany.com

©2014 Noble Company, U.S. Patent No. 8,474,068
Patents Pending Canada and EP Publication No. 2354339

Dinner Meeting Announcement

THURSDAY,
January 25th

DINNER TECHNICAL TOPIC

Roof Drains

Presented by:

Craig Froet

Froet Industries LLC

LOCATION:

Georgine's Catering
1320 Newport Road
Bristol, PA 19007

Time: 6 - 8 PM

COST

Dinner \$35.00

Members With Reservation by Deadline: \$25.00

***FREE** for ASPE Plumbing Students or
Full-Time Engineering Students!*

RESERVATIONS DEADLINE:

**4 PM MONDAY BEFORE
MEETING NIGHT**



TECHNICAL CORNER



David Smith
Vice President,
Technical

Welcome to 2018!

December's meeting finished the year with John Dundon, Zurn, telling us about PEX Piping Systems.

John told us what PEX means, Polyethylene Crossed-linked polymer. He stated that cross-linking allows the pipe to be flexible. Another feature is the memory retention of the material. Some of the applications are domestic water, snow melting, and in southern states cooling golf course greens.

PEX pipe is cross-linked using one of three methods, peroxide, steam, or laser. All three methods conform to ASTM-84 standards. The PEX pipe has a 200-deg F temperature rating at 80 psi and 74-degree F at 160 psi. PEX pipe is not ple-num rated, but has UV, chlorine, and corrosion resistance. The PEX pipe requires support every three feet. Method of joining is by crimp and insertion. Crimp stretches the material and

memory retention holds the insert there-by making the joint. PEX pipe has sizes up to 2 inches with copper -to PEX fittings and brass-to-PEX fittings. Another property of PEX is insulation is not required, but good engineering practice is to always insulate.

The Commonwealth of Pennsylvania has passed ACT 36 of 2017, which mandates the adoption of the International Plumbing Code 2015. The City of Philadelphia has been give special exemption to adopt International Plumbing Code 2018. Changes go into effect October 1, 2018. So, plan your projects accordingly.

January's dinner meeting will be roof drains by Craig Froet, Froet industries at Georgine's Catering in Bristol PA.



3190 Tucker Road, Bensalem, PA 19020
Tel: 215-639-3600 * Fax: 215-639-3710

Email: support@bjterroni.com
Web: www.bjterroni.com

Territory Covered:
Eastern & Central PA,
Southern New Jersey &
Northern Delaware

Facilities:
36,000 sq/ft. office / class-
room / warehouse area

Service:
Thirty-Seven (37) dedicated
employees to aid you in all
of your HVAC needs.

Stocked throughout our territory and at B.J. Terroni warehouses



**We make the difference
for commercial professionals.**

Give your facilities greater reliability, with stylish,
responsive hands-free technology.

Delta® Proximity® Sensing Technology activates water flow when hands come within four inches of the faucet, and stops once they are removed. Users will appreciate the contemporary design and responsiveness, while you enjoy the water savings and easy maintenance. Learn more about our innovative technologies, styles and support at DeltaFaucet.com/Proximity



LEGISLATIVE NEWS



Ken Clark
Vice President,
Legislative

Happy New Year!

We hope you all had a safe and relaxing holiday. Now it's time to get back to work as we start a new year of exciting and educational dinner meetings. Please refer to the list of upcoming dinner meetings in the back of this newsletter.

What's new in the industry?

- The USGBC (US Green Building Council) has announced that Greenbuild will be held in Europe at the Radisson Blu Hotel in Berlin on April 17 – 18! Currently there are over 5,200 LEED registered/certified projects in Europe and this market is continuing to grow. For further information, visit www.usgbc.org.
- The ICC code changes were due out early in January and they are now available for purchase. Many jurisdictions are in the process of reviewing them for adoption. Additionally, any proposed code changes for the 2021 codes were due by January 8, 2018.

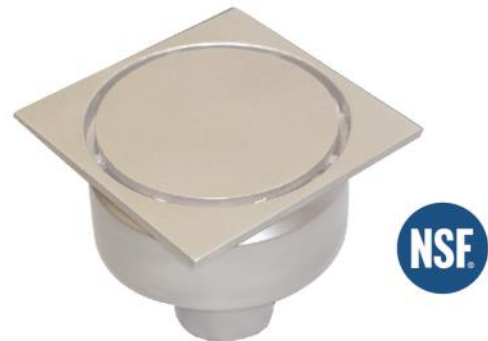
We hope to see you at this month's dinner meeting on Thursday, January 25th at Georgine's Continental Cuisine located at 1320 Newport Rd, Bristol, PA 19007. The topic this month will be Roof Drains. This dinner meeting qualifies for 1.5 hours CEUs (certificates will be provided upon request by David Smith). Please make your reservation with Dave by 4pm on Monday, January 22nd at davidsmith01@hotmail.com.

KUSEL

EQUIPMENT CO.

USING THE WRONG PRODUCT CAN BE A REAL DRAIN!

**Kusel's KE Series Floor Drains
are the right product
every time!**

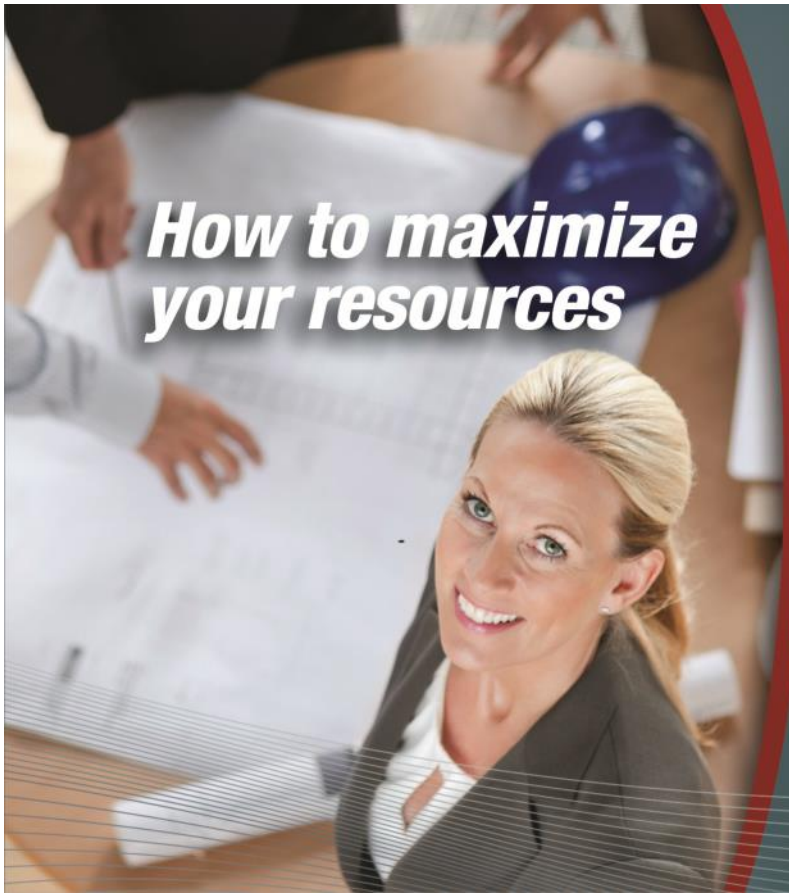


- Third Party Certified to Meet "Special Duty" Top Loading Classification
- Manufactured in Accordance to ASME A112.6.3
- Available in T304 and T316L Stainless Steel
- Limited Lifetime Warranty
- Full Sanitary Welds
- Acid Pickled

STAINLESS STEEL
FLOOR DRAINS • P TRAPS • FLOOR SINKS • TRENCH DRAINS

Proudly Represented by Mike Snyder Associates
p: 215-766-8751 • f: 215-766-8752
email: mike@msa-rep.com

FROM OFF THE SHELF TO CUSTOM PRODUCTS



***How to maximize
your resources***

Let SSI help plan and deliver your next fire protection installation.

SSI offers two levels of professional design and engineering services to save you time, resources and budget to maximize your return.

LEVEL 1:
*Basic specifications,
product recommendations,
fire protection
system layout*

LEVEL 2:
*All of LEVEL 1 services,
PLUS comprehensive
layout, system design and
product specification.*

Great service...it's that simple!



Fire & Explosion Protection

610.709.5000

suppressionsystems.com

WADE

- Fixture Supports**
- Floor & Area Drains**
- Roof Drains**
- Plumbing Specialties**
- Interceptors**
- Cleanouts & Access Covers**
- Hydrants & Hose Bibbs**
- Sanitary Floor Sinks**

**Rich-Tomkins
COMPANY, INC**



MEMBERSHIP NEWS



Matthew Martin
Vice President,
Membership

Hey....psst....yeah you...I have some info for ya.....keep reading below.....sssshhhh.

Item 1:

Attention one and all, ASPE mentoring program has sent me the following information.

Nationally ASPE has 3 mentees looking to be mentored in AYP and CPDT, and 7 mentors that are looking to provide their time and dedication to mentor anyone of the WOA, CPD, and GPD. What super cool opportunities. If you are aware of any members that are looking to be a mentor or mentee please let me know.

Item 2:

Plumbing Engineer magazine seeks experts in commercial building design

ASPE's official publication is looking for engineers to provide input on new trends in designing systems for commercial buildings, specifically sustainable technologies. You can either volunteer to write a 1,200-word article or be interviewed. If you would like to contribute, contact Editorial Director Sharon Rehana at

sharon@tmbpublishing.com by January 5.

Item 3:

Guess what? Roof Drains. If you are a designing engineer, or an up and coming designer of DWV systems this is a must attend meeting. Our next meeting will be held January 25th, at Georgine's in Bristol Pa. Easy access to the PA turnpike, 95 and route 1. I best see you sooner rather than later!

 aquatherm Cutting Edge Polypropylene Water Piping Systems CustomCare WATER TECHNOLOGIES INC. Water Softeners, Filters & Reverse Osmosis greenturtle Innovative Grease & Oil Separation Solutions HAMMOND VALVE Full Line of Commercial & Plumbing Valves INTERSAN Wash Stations & Wash Troughs	 OASIS Electric Water Coolers & Drinking Fountains MILWAUKEE VALVE Premier Manufacturer of Commercial & Industrial Valves NAC NewAge Casting CI Soil Pipe, Fittings, Gaskets & Couplings RITMO AMERICA Pipe and Fittings Fusion Machines	 WESTERN-WILLIAMS CO., INC. Commercial Pedestal Fountains, Terrazzo Shower Floors & Mop Sinks IT-DRILL Engineered Tube & Pipe Fabrication Machine WILKINS a ZURN company Automatic Control Valves, Back Flow, Pressure Reducing Valves, Expansion Tanks, Mixing Valves ZURN Engineered Water Solutions Drains, Flush Valves, Faucets, Chemical Drainage, Trench Drains, Commercial Plumbing Fixtures
---	---	--

www.james-martin.com

1400 Adams Road, Bensalem, PA • PH: 215-639-6747 Fax: 215-639-6782





Murdock Manufacturing

More Hydration Options

View Murdock's expanded line of drinking fountains, bottle fillers and water coolers





MURDOCK MANUFACTURING
Member of Morris Group International
www.murdockmfg.com

P.O. Box 3527 • City of Industry, CA 91744-0527 U.S.A • Tel 800.453.7465



MORRIS GROUP
INTERNATIONAL
www.morrisgroup.co



MARTIN & SMITH, INC.
MANUFACTURERS REPRESENTATIVE
11 VINCENT CIRCLE • IVYLAND, PENNSYLVANIA 18974
800-833-0545 • 215-956-9100 • Fax : 215-958-9765
www.msrep.com

MISSION CRITICAL: SURGICAL ROOM



Surgical Rooms must be clean, sterile environments.

A plumbing system failure is not an option. That's why they CHOOSE HUSKY.

AMERICA'S MOST TRUSTED
HIGH-PERFORMANCE COUPLING
FOR SURGICAL ROOMS



951-372-2732
Anaco-Husky.com
1001 El Camino Ave.
Corona, CA 92879

Watch our video at
ChooseHusky.com



Scan to learn more at
SafeCastIronPipe.org

IS POLYVINYL CHLORIDE THE NEXT ASBESTOS?

Learn more about PVC and the safest choice in piping—cast iron.





Is cast iron piping the most durable plumbing system with the best sound performance?



Yes!

A cast iron piping system is designed to last the lifetime of a building. It's exceptionally durable and offers superior sound performance. Philadelphia, known for its rich history, was the first American city to use cast iron pipe exclusively due to its longevity. A revolutionary American city that shaped our nation with the signing of the Declaration and Constitution, the Liberty Bell and the nation's first hospital. A city with a tradition of excellence.

Now that's Tyler Tough.



Scan to win at
TylerTough.com &
watch our video.

11910 County Rd 492
Tyler, TX 75706
800-527-8478
TylerPipe.com



Technical Assistance | Installation Training



Specifying copper or copper alloys?
Working with copper?
Have a question?
Need an answer?

Contact:

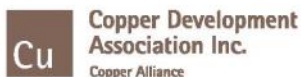
Dale L. Powell

Project Manager & Piping Applications Specialist

Tel: 717.420.5393

E-mail: dale.powell@copperalliance.us

www.copper.org



ACORN ENGINEERING COMPANY
Manufacturer of Engineered Products

Member of Morris Group International
P.O. Box 3527
City of Industry, CA 91744-0527 U.S.A.
626-336-4561

www.acorncontrolvalves.com



MARTIN & SMITH, INC.
MANUFACTURERS REPRESENTATIVE

11 VINCENT CIRCLE • IVYLAND, PENNSYLVANIA 18974
800-833-0545 • 215-956-9100 • Fax : 215-956-9765
www.msrep.com



ACORN
CONTROLS®



Sherman Engineering Company

4 Ivybrook Blvd, Suite B, Ivyland, PA 18974
Mailing Address: PO Box 2487, Warminster, PA 18974
Phone: (215) 340-5300 | Fax: (215) 340-5305
www.ShermanEngineering.com

Vacuum Pumps

Gardner Denver Nash - Liquid Ring, Waterless, Ejectors
BeaconMedaes - Dry, Oil Sealed, Camel
Elmo Rietschle
Industrial & Chemical Duty Dry Pumps
Point-of-Use Pumps for Laboratories

Compressors

CompAir Industrial Air - Reciprocating, Scroll & Screw Compressors, General Purpose & Oil-free

Gardner Denver Nash - Liquid Ring Systems
BeaconMedaes (Part of Atlas Copco Group) - Medical Air Systems
Turnkey Breathing Air & Lab Air Systems

Dryers & Purifiers

SPX Deltech Desiccant Dryers, Refrigerated Dryers & Breathing Air Purifiers

Manifolds

BeaconMedaes - High Purity, Medical, Gas/Liquid Distribution

Standard Xchange Heat Exchangers

Shell & Tube Heat Exchangers
Plate & Frame Heat Exchangers
Air Cooled Heat Exchangers

Medical Gas Pipeline Equipment

BeaconMedaes - Gas Outlets, Alarm Panels, Valves, Ceiling Columns, Monitors, Zone Valve Boxes
Headwalls, Consoles, and Medical Rail Systems

Field Services

Medical Gas Verification & Certification, Complete Medical Gas Equipment Design, Pipe Sizing and Specification Writing, Energy Audits, Custom Made Equipment Packages, Preventative Maintenance Programs, Expert Analysis & Trouble-Shooting, Full Time Factory Trained Service technicians

Parts - Complete OEM Replacement Parts

Representing the Nash Engineering Company Since 1920. Serving the Pharmaceutical, Chemical, Hospital, and Power Industries. 24/7 Service Covering CT, NY, NJ, PA, MD, & DE

THE BAASE COMPANY, INC.

140 RAILROAD DRIVE
WARMINSTER, PA 18974-0052
PHONE NO. 215-364-8855 FAX NO. 215-364-3050
WEBSITE: www.baaseco.com
Lowell Musselman Joel Di Giacinto Dorothea Graham
Glenn Hall Chad Hayes

**AERCO INTERNATIONAL
HIGH EFFICIENCY**

GAS FIRED WATER HEATERS AND BOILERS
INDIRECT FIRED WATER HEATERS
PACKAGED STEAM GENERATOR

CHROMALOX HEAT TRACING

FREEZE PROTECTION
SNOW MELTING, ROOF & GUTTER DEICING

THRUSH COMPANY INC.

INLINE ALL BRONZE PUMPS
PRESSURE BOOSTERS

WEIL PUMP COMPANY

SUMP AND SEWAGE PUMPS
FIBERGLASS SUMP & SEWAGE BASINS

CANARIIS CORPORATION

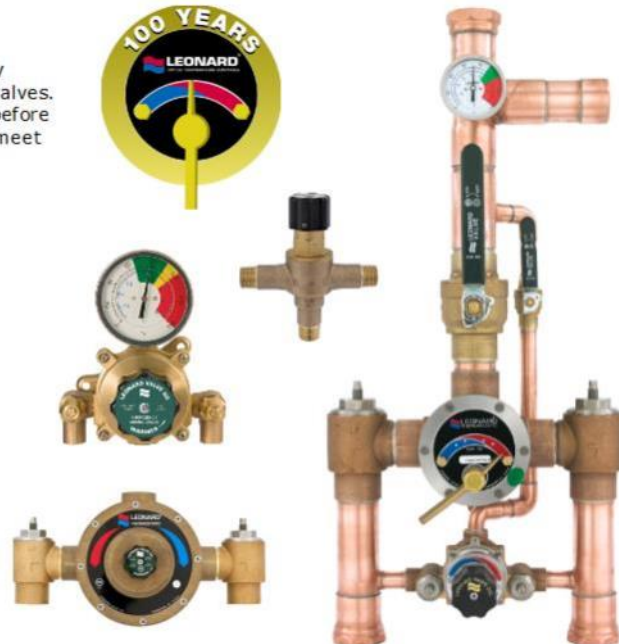
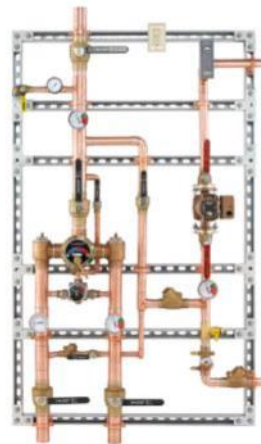
PACKAGED PUMPING STATIONS
UL LISTED - MULTIPLE PUMPS - VARIABLE SPEED



Since 1913, Leonard Valve Company has been the quality leader in the manufacture of thermostatic water mixing valves. All Leonard valves are factory preassembled and tested before shipment, and we offer a complete range of products to meet all of your temperature control requirements.

1360 Elmwood Avenue
Cranston, RI 02910
Ph (800) 222-1208
Fax (401) 941-5310
www.leonardvalve.com

Leonard Representative:
Robert Burns Associates
4009-B Market Street
Aston, PA 19014
Ph (610) 497-1722
Fax (610) 497-8722
rba@rburnsassoc.com





R. D. BITZER CO., INC.

PUMPS, CONTROLS, HEATING/COOLING SPECIALTIES,
HEAT EXCHANGERS, PLUMBING PRODUCTS



Leading Manufacturer of Pumps,
Valves, Heat Exchangers and
accessories for Plumbing,
Wastewater and HVAC



Unfired Water Heaters, Clean
Steam Generators, Electric Water
Heaters, ASME Storage Tanks for
Plumbing and Heating Systems



Stock Variable Frequency Drives
Low Harmonic Solutions
Packaged Drive Solutions
Soft Starters



Condensate Return, Boiler Feed
and Vacuum Pumps



Flexible Connector, Expansion
Loops and Expansion Joints



Centrifugal Pump, Stainless Steel
and Multistage Pumps



Stock Pressure Boosters, Pumping
and Heat Transfer Packages



High Efficient Boilers, Water
Heaters, Furnaces and Solar



Commercial and Residential Boiler,
Water Heaters and Pool Heaters



Centrifugal Separators, Media,
Disk and Screen Filters for HVAC
& Plumbing Systems



Commercial and Industrial Reverse
Osmosis Systems



Hydronic and Electric Radiant
Heating and Snow Melt Systems
WaterPEX® Plumbing Products

776 American Drive • Wes-Port Industrial Park • Bensalem, PA 19020
TEL (215) 604-6600 • FAX (215) 604-6601
sales@rdbitzer.com www.rdbitzer.com

**A better way to
make ends meet.**



**Connect with Uponor.
Connect with confidence.**



**Rich-Tomkins
COMPANY, INC**

Professionals who specify and install
Uponor PEX plumbing and hydronic
piping – now up to 3" – report savings
on materials costs, fewer callbacks
and greater peace of mind.

Exceptional products, tools and support.

Uponor. Tested in the lab and proven
in the field.



uponorpro.com



**YOU MAY ONLY NEED
ONE SINK....
BUT WHICH ONE?**



Represented By: Mike Snyder Associates

Phone: 215-766-8751 Fax: 215-766-8752 Email: mike@msa-rep.com
4201 Marie Circle, Doylestown, PA 18902

www.advancetabco.com

800-645-3166

**SMITH
STAINLESS STEEL
DRAINS
9600 SERIES**



Floor Drains • Floor Sinks • Cleanouts • Roof Drains

Jay R. Smith Mfg. Co.
produces durable, sanitary
and corrosion-resistant drains
which offer lifelong service
and enhanced custom
appearance.



9600 Series



JAY R. SMITH MFG. CO.
MEMBER OF MORRIS GROUP INTERNATIONAL



MARTIN & SMITH, INC.
MANUFACTURERS REPRESENTATIVE

11 VINCENT CIRCLE • IVYLAND, PENNSYLVANIA 18974
800-833-0545 • 215-956-9100 • Fax : 215-956-9765
www.msrep.com



AFFILIATES CORNER



The view from our venue at Sugar House Casino for the December meeting was spectacular.

We had two fine companies represented as Table Top Sponsors.

First, from ThermOmegaTech Lauren Berenato, John Cupp & Alex Negovan presented their Circuit Saver product.



Next, from CULLEN Company, Andrea Uhl & John Schmidt presented their Canaris Corporation product line. They also brought along nice door prizes.

We appreciate the professional presentations from both our Table Top sponsors and the value they bring to our chapter!

Michael Yearian
Sales Manager
Red Lion MedGas Consultants, Inc.
Red Lion Medical Safety, Inc.
michael@redlionmedical.com
 [\(302\) 731-8600, ext. 111](tel:(302)731-8600)
 [\(302\) 545-3225](tel:(302)545-3225) (cell)



Sponsored by



Women of ASPE

ASPE Announces *The Women of ASPE*

The mission of the new Women of ASPE (WOA) special-interest group is to **engage, retain, and advance** women in the plumbing design industry through education, leadership development, and networking opportunities. It is open to women who have an active membership with the American Society of Plumbing Engineers. Some of the activities include:

- Mentoring programs
- Membership growth outreach efforts
- Fostering partnerships with industry-related associations
- Various educational offerings

To join the Women of ASPE special-interest group, email skidd@aspe.org
For more information, visit www.aspe.org/woa





**Cope
Wardell
Ammon
Associates, Inc**

4009 Market Street
Suite K
Aston, PA 19014

Tel: 610-485-2828

Email: sales@
cwaassociates.com

SALES REPRESENTATIVES

 Residential & Commercial Stainless Steel Sinks, Faucets, Drinking Fountains, Water Coolers & Bottle Fillers	 Sump, Sewage, Effluent & Grinder Pumps Packaged Pump Stations	 Preformed Copper, Hangers, Drainage, Water Hammer Arrestors, Specialties
 Safety Wash, Shower & Bath, Hospitality	 Residential and Commercial Water Heaters	 Brass Tubular, Semi Cast P-Traps, Flanges, Plastic Tubular, Strainers, Supplies, Bath Drains, Bath Safety
 Poly, Structural Foam & Fiberglass Sump and Sewage Basins	 Big Dipper & Trapzilla Grease Separators	 Fiberglass & Acrylic Tub-Shower, Shower, Bath

**KIMAX® Glass Drain
and Vent Systems**



- Low volatile organic compounds (VOCs)
- Will not burn or emit toxic fumes
- Maximum corrosion resistance
- Flexibility, adaptability, modularity
- Safe and simple installation
- Lowest life-cycle costs

Tubing
SCHOTT North America, Inc
555 Taxter Road
Elmsford, NY 10523
Phone: +1 (914) 831-2200
info.drainline@us.schott.com
www.us.schott.com/drainline

SCHOTT
glass made of ideas



Two tough couplings.



When only the best is good enough, there's really only one choice: HUSKY.

More HUSKY High-Performance couplings are sold than all other heavy-duty brands combined. The reason is simple – they perform as expected, every time.

For applications calling for a lower-cost alternative, the HUSKY HD-2000 coupling is the preferred choice. These couplings are built to stand up to the most challenging conditions while viewing budget as an important factor.

All components of HUSKY couplings are made in the USA from the very finest materials, like 301 stainless steel in the bands and shields, and genuine neoprene in the all-important gasket.

When quality counts, choose HUSKY.



Trust HUSKY, the only true high-performance heavy duty coupling



Rich-Tomkins
COMPANY, INC

Serving Engineers
Since 1961

Our Team Is Here For You:
Kevin Brace, Commercial Specialist
kevin@richtomkins.com
610-859-6074

Mike Gehris, Hydronic Specialist
mike@richtomkins.com
267-804-1502

Dawn Bishop, Product Specialist
dawn@richtomkins.com
610-859-6060

www.RichTomkins.com
235 Bridgewater Road, Aston, PA 19014
P: 610-859-3552 F: 610-859-6080

Proudly Representing Top Manufacturers in the
Plumbing, Heating and Hydronic Industries







Thrush
Co. Inc.
HOT-PAK™
Instantaneous Water Heater

ONLY THE BEST !



PATTERSON PUMP COMPANY





CLAPP ASSOCIATES INC.
1325 O'Reilly Drive - Feasterville Pa. 19053
(215) 364-5090 Fax (215) 364-8275
www.clappassociates.com



ONICON
INCORPORATED

Flow Meters - BTU Meters -
NIST Tracable,



RBI
A WESSEX COMPANY www.rbiwaterheaters.com



WATER HEATERS - BOILERS - TANKS
CONDENSING- High Efficiency - NETWORKED CONTROLS



FLO-PAK
A business unit of Patterson Pump Company

Booster Pumps
Constant Speed
Variable Speed
Split Skids
Custom



Split-base option - fits through a 30" door opening



Metraflex
for pipes in motion

METRA-LOOP
Fire Loop
Seismic Loop
GAS Loop










SECESPOL
>>> effective
heat transfer >>>



WEIL
Pump
A WILO COMPANY



wilo



SEE WATER
Inc.



"THE PUMP BOYS"
CULLEN

TRUSTED PUMP MANUFACTURER
REPRESENTATIVE FOR 60 years!

1800 JFK Boulevard Suite 300 PMB #23 Philadelphia, PA 19103
Call: 215-907-0507 www.CullenCompany.com
Connect with us on 
@CullenCompany



980 THOMAS DRIVE WARMINSTER, PA 18974
P: (215) 443-7500 F: (215) 443-7573
www.vernonbitzer.com



**Up to 99% thermal efficiency.
No glass lining failures.
15-year tank corrosion warranty.**



AquaPLEX®
ENGINEERED DUPLEX ALLOY

400 • 500 • 600 • 700
and 800 MBH
in a 130 gallon tank

CONQUEST®
Condensing Water Heater

Tank and heat exchanger are made from AquaPLEX® duplex stainless steel. Fully passivated, the material is naturally corrosion-proof in potable water and requires no linings, anodes rods or power anode systems.

95% to 96% thermal efficiency per DOE testing requirements.

Seamless modulation improves efficiency to 99%.



Represented by:

L&R Associates Inc. ■ Hatfield, PA
Phone (267) 308-0500 www.landrassocinc.com



199 • 250 • 300 MBH
in a 100 gallon tank



Contact us by email: design@scalesmedtech.com



Medical Gas System Design & Specifications Designing/Engineering a project?

Scales Medical Technologies, Inc. can be a valuable Strategic Partner

- Bring your project in **“On-Time”** and **“Within Budget”**
- Design Assistance for Lowest Cost/Highest Reliability
- Pragmatic Solutions Approach
- Energy Efficient Offerings for Medical Air & Vacuum Systems
- Specify the Best Technology for each Application
- *Offering Solutions that increase clients bottom line profitability*

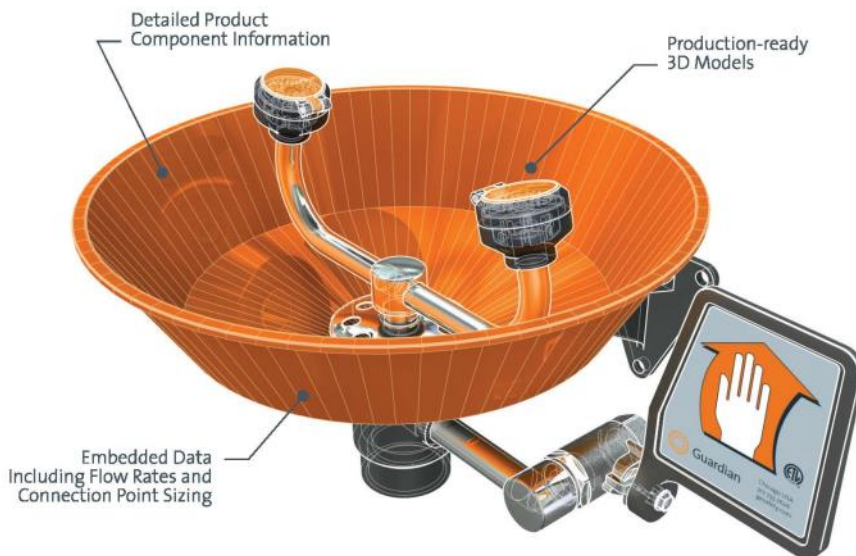


www.scalesmedtech.com

Medical Gas Equipment Sales, Service, & Installations

Toll Free: 1 (844) 768-4878

We love happy engineers.



Emergency eyewash and shower planning simplified with Autodesk™ Revit® Architecture 2010! Keeping up with the latest 3D design technology can be difficult and time consuming, especially when working on large projects with complicated plumbing systems. Why not let Guardian do the work for you? With our new CD demonstrating Revit technology, you'll no longer have to spend valuable time building eyewash and shower models on your own. The Revit families we've created using Autodesk Revit Architecture 2010 have been meticulously constructed to include all of the information required by engineers and architects, ready for immediate use in your projects and designs.

For information on how to get your hands on this valuable resource, visit gesafety.com/revit or call us at 1-800-690-7700.

Guardian Equipment is your source for industry leading eye wash and shower technology. **Think orange.**



Represented by
Robert Burns Associates
610-497-1722

Autodesk and Revit are registered trademarks of Autodesk, Inc., in the USA and other countries.



KEYSTONE SALES & ASSOCIATES

103 Commerce Court • Pottstown, PA 19464
Ph 800-220-1025 Ph 610-474-2504 Fx 610-474-2536
www.uskeystonesales.com

ABT, INC. World Leader in Surface Drainage Solutions
Trench Former Poly Drain First Flush

aquatechnik
PP-RCT Heat Fusion Pipe and Fittings, for Hydronic, Potable Water and Recycled Water Systems Cast fittings up to 12".

BOCK
WATER HEATERS *Turboflue* Design Water Heaters. Oil, Gas and Dual Fuel Commercial Water Heaters, Combi Water Heaters and Storage Tanks. *optITHERM* Modulating Condensing Ultra Low NOx Commercial Gas Water Heaters

BOSCH High Efficiency Gas Fired Tankless Water Heaters Energy Star Rated **GreenStar** Boilers and Combi Systems Residential and Commercial WSHP Systems. IDS Series - Inverter Ducted Split Systems.

Buderus World Standard in Hydronic Heating. Cast Iron Residential and Commercial Boilers. **SST** Stainless Steel Modulating Condensing Commercial Boilers. Indirect Water Heaters, Control Systems, Hydronic Components.

Bradley Innovative Solutions: Washfountains, Showers, Emergency, Hospital and Security Plumbing Fixtures TMV Controls Solid Surface Lav Systems Restroom Accessories

CALEFFI Hydronic Solutions Manufacturer of High-Quality Components for the Heating, Plumbing, and Air Conditioning Industry. Heat Metering and Renewable Energy Systems.

ComfortPro Systems **AquaHeat AquaSeal Terre Pex**
Complete Line of Plumbing and Heating Pex Products. Up to 4" Barrier and Non-Barrier Pex Pipe. Detailed Computer Design Packages for Heating and SIM Projects. Pre-insulated One and Two Pipe Barrier Pex.

HAYDON High Performance Residential and Commercial Hydronic and Steam Baseboard. Full Line of Strut Metal Framing Components. Engineered Rooftop Supports

KELTECH INCORPORATED
A Subsidiary of Bradley Industry Leading Uniquely Designed Electric Tankless Water Heaters for Residential, Commercial and Industrial Applications Including Emergency Fixtures and Hydronic Heating.

Kräus
Manufacturers of Attainable, Dynamic Plumbing Centerpieces & Accessories that Evoke the Peace and Luxury of European Spas

Noble Company
Waterproofing and Joint Control Membrane Materials. Heating and Fire Protection System Anti-Freeze Compounds. Pre-formed Tile Shower Bases, Wall Niche Forms and Linear Drain Systems

SUN DRAINAGE PRODUCTS
Engineered and Specification Drainage Products: Floor Drains, Floor Sinks, Cleanouts, Roof Drains, Carriers, Adapters & Accessories.



Sherman Engineering Company

4 Ivybrook Blvd, Suite B, Ivyland, PA 18974
Mailing Address: PO Box 2487, Warminster, PA 18974
Phone: (215) 340-5300 | Fax: (215) 340-5305
www.ShermanEngineering.com

The Sherman Engineering Company incorporated in 1920, specializes in process vacuum and compressed gas applications. With offices in Pennsylvania, New Jersey, New York City and Connecticut our sale's engineers are always able to provide on site evaluation and support to help with your application.

Authorized representative for:





SPEAKING OUT



Steve Ziga

Happy New Year ASPE Philadelphia! The New Year is upon us and we all probably have at some recent point reflected on the previous year, counted our blessings and look forward to a better 2018. As each year goes by it seems that we gain some wisdom from the experiences we have been a part of. We should all consider that we are constantly evolving and that every day is a gift. Don't be complacent.

The more successful you are at something, the more convinced you become that you are doing it right.

The more convinced you are that you are doing it right, the less open you are to change.

The less open you are to change, the more likely you are tripping in a world that changes all the time.



L & R ASSOCIATES, INC.

2262 North Penn Road, P.O. Box 68, Hatfield, PA 19440
Phone: 267-308-0500 • Fax: 267-308-0505
NJ & DE: 1-800-523-6810 • www.landrassocinc.com
office@landrassocinc.com

PLUMBING

Encore Premium Plumbing Products
A Division of Component Hardware

www.encoreplumbing.com

EZ-Flo

www.EZ-FLO.net

Green Drain, Inc.
H20 Degree

www.greendrains.com
www.h20degree.com

IPEX, Inc.

www.ipexinc.com

Lawler Manufacturing
PVI Industries
StingRay Systems
UltraFlo, Inc.
Vaughn Thermal Corp.
(Bid/Spec Projects)
TOTO USA, Inc.

www.lawlervalve.com
www.pvi.com
www.stingray.com
www.ultraflo.com
www.vaughnthermal.com
www.totousa.com

HVAC

AquaMotion, Inc.

www.aquamotionhvac.com

Cool Air Products, LLC

www.coolairproducts.net

E-Zoil
Northwestern Ohio Foam Products
(NOFP)

www.ezoil.com
www.nofp.com

QHT, Inc., Biasi, Firebird

www.QHTinc.com
www.firebirdboilers.us
www.rebau.com

REHAU

Riello Burners

www.riello.com

Tjernlund

www.tjernlund.com

OTHER

Delta Breez
JJM Boiler Works, Inc.
VizCo-US, Inc.

www.deltabreez.com
www.jjmboilerworks.com
www.vizco.com

Global Manufacturer and Distributor of Specialty Hardware and Plumbing Products for the Food Service, Institutional, Commercial, and Healthcare Markets
Plumbing Manufacturer & Master Distributor of Faucets, Stop Valves, Water Connectors, Gas Connectors & Push-Fit Fittings, Waterless Trap Seal for Floor Drains
Solutions for Measuring & Controlling Utility Commodities Globally
Integrated Thermoplastic Piping Systems—Pipes, Valves, Fittings & Canplas Endura Grease Interceptors
Thermostatic Mixing Valves
Water Heaters
Tepid Eye/Face Wash and Drench Showers
Single line, Centralized Water Systems
Cement-lined Electric, Hybrid, Indirect & Solar Water Heaters
High Quality & Water Efficient Products for Bathrooms—Tubs, Faucets, Sinks, Toilets, Shower Heads, Fixtures

U.S. Designed & Built Pumps & Hydronic Products
Innovative Sealants for the Refrigerant Leak Repair industry
Heating Oil Treatment Products
Foam Insulation Products

Fuel Efficient Adaptable Boilers and Heaters
PEX Pipe for Radiant Heating, Cooling, & Plumbing
Residential Oil, Gas, Dual-Fuel and Low NOx Burners
Ventilation Products

Bathroom Ventilation Fans
Condensate Neutralizer Tubes/Tanks
Innovative Plumbing Products, Bull Dog Pans, Bulldog Alarms, and Pipe Guards

GO TEAM

CUSTOMIZABLE SABER VALVE COVERS ONLY BY DELANY PRODUCTS

The Saber, Delany Products' top-of-the-line manual flush valve has always been beautiful, thanks to the scratch resistant cover and sleek modern lines.

Now, custom engraved cover caps can show off the logo for a university, corporation or sports franchise.

Of course, inside it is still a Saber, a proven solution for many water hammer issues, and the only flush valve with instant in-field adjustability allowing for "True-in-the-Field Water Conservation". Saber valves also feature the Masherator Bypass - the market's only self-cleaning diaphragm that continuously cleans with every flush.

Contact your Delany Products sales rep today and start showing your team spirit!



The use of the logo is not authorized by, sponsored by, or associated with the trademark owner. Any order must be approved by the trademark owner in writing before production begins.

MANUFACTURERS REPRESENTATIVES MECHANICAL PRODUCTS



Manufactures Representative

MAIN OFFICE & WAREHOUSE:
11 Vincent Circle • Ivyland, PA 18974
800-833-0545 • 215-956-9100 • Fax : 215-956-9765
www.msrep.com



Leak Detection & Water Submetering Solutions



LEED Platinum-Certified Apartment Building Uses Submetering to Dramatically Reduce Water Consumption

PROJECT BACKGROUND

A 32-story, new construction, 500-unit apartment building known as 360 State Street in New Haven, Connecticut, wanted to install an innovative submetering system to track the residents' water & hot-water heating data while providing tenants with an easy-to-use web portal to access and manage their utility data.



H2O Degree delivered a submetering system consisting of a 1,000 dual point-of-entry water meters (hot & cold) and 591 thermostats. The battery-powered wireless water meters communicate with the thermostats. The thermostats act as transceivers, a unique feature of H2O Degree's wireless network, which results in substantial savings compared to using traditional wireless repeater networks. When considering the minimal wiring it took to set up the radios and ZigBee mesh network the system uses, the system was the most cost effective option for the building.

PLUMBING CONFIGURATION

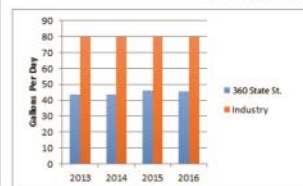
The dual point-of-entry submetering at 360 State Street means that the plumbing is configured so that one riser branches into the apartment for cold water. A second



riser delivers domestic hot water created centrally by recovering heat from a CHP system. Water enters the apartment in the utility closet and there are two water meters in each apartment, one for cold and one for hot water.

WATER & ENERGY CONSERVATION SAVINGS

Typical 1-2 bedroom apartments at 360 State Street average 45 to 55 gallons of water use per day. This is almost half the national average of 70-90 gallons per day. This savings is the result of billing tenants for water and proactive water leak detection. Another energy-savings benefit came from billing tenants for electricity and



providing thermostat controls resulting in heating & cooling costs being 10 to 20% below apartments without submetering.


Read the full case study on 360 State Street by visiting H2O Degree's website at www.h2odegree.com/asphep.php




To request information on H2O Degree leak protection and submetering solutions contact our local representative L & R Associates at (800) 523-6810.

www.h2odegree.com
(215) 788-8485
info@h2odegree.com






A Division of Acorn Engineering Company





ADVISOR TO

EMERGENCY DRENCH EQUIPMENT

EYE WASHES
EYE/FACE WASHES
SHOWERS
COMBINATION STATIONS
DRENCH HOSES
MIXING VALVES
PARTS & ACCESSORIES







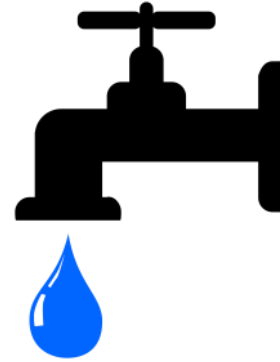
P.O. Box 3527 • City of Industry, CA
91744-0527 USA

p | 800 | 591 | 9372 • p | 626 | 855 | 4804

w | acorneng.com |



MARTIN & SMITH, INC.
MANUFACTURERS REPRESENTATIVE
11 HINCKLEY CIRCLE - EPHRATA, PENNSYLVANIA 16824
800-823-6946 • 717-889-8100 • Fax: 717-889-8155
www.msinc.com





R.D. Bitzer Co., Inc.
776 American Drive
Bensalem, PA 19020
Phone: (215) 604-6600
Fax: (215) 604-6601
Direct Line: (215) 604-6606

DOUGLAS C. COWAN
SALES ENGINEER
Mobile: (215) 694-7428

representatives and distributors of hydronic and industrial equipment
E-mail: dcowan@rdbitzer.com www.rdbitzer.com



Diversified Thermal Equipment, Inc.

Marchwood Center • 47 Marchwood Road, Suite 2K • Exton, PA 19341
610-524-8910 • Fax: 610-524-8730
Email: boblafferty2012@gmail.com

REPRESENTING: QUALITY COMMERCIAL AND INDUSTRIAL HEATING EQUIPMENT MANUFACTURERS

INDEECO - Industrial Engineering and Equipment (www.indeeco.com)

- Electric Duct Heaters
- Explosionproof Duct Heaters and Unit Heaters
- Corrosion Resistant Unit Heaters
- Architectural & Commercial Wall Heaters
- Unit Heaters – Wall and Ceiling Type
- Cabinet Unit Heaters
- Baseboard Heaters
- Radiant Ceiling Panels
- SCR Solidstate Power & Temperature Controllers

ACE HEATING SOLUTIONS, LLC. (www.aceheatingllc.com)

- Ace Series Domestic Water Heaters**
- Mini-Pack Semi-instantaneous Steam & Boiler Water Type, Single & Double Wall Construction, Vertical & Horizontal Orientation
 - Packaged Storage Type, Steam, Boiler Water, Gas Fired
 - Heat Exchangers, Single & Double Wall Construction
 - Storage Tanks, ASME Code Construction
 - Clean Steam Generators
 - Tube Bundles, Single & Double Wall Construction

Atlas Series Hot Water Boilers

- High Efficiency Condensing Gas or Propane Fired, 500 MBH to 3,000 MBH, Up to 97% efficiency

Triton Series Hot Water Boilers

- High efficiency near condensing gas or propane fired, 800 MBH to 2,000 MBH, Up to 86% efficiency



Bk **BARBIERI & KLINE, INC.**
serving the plumbing industry since 1958

Delany
Products
Flush Valves & Faucets

Eemax
Hot Water Solution Made Easy
Electric Tankless Point of Use Water Heaters

Haws
corporation
Drinking Fountains & Safety Equipment

JOSAM
MEA JOSAM
Drains, S/S Piping, & Trench Drains

MANSFIELD
China Fixtures & Bathware

MIRO
INDUSTRIES, INC.
Rooftop Support Products

NIRON
PP-RCT Piping Systems
Reinforced Polypro Pipe & Fittings

PRIER
Hydrants & Hose Thread Valves

THE VAULT
ROOF PENETRATION HOODING
Multi-Penetration, Single Pathway to Roof

SEACHROME
Grab Bars & Accessories

SYMMONS
the smart choice™
Shower Systems & Faucets

ThermOmegaTech
Temperature Control, Mixing & Balancing Valves

T&C
Lab Sinks & Neutralization Tanks

WILLOUGHBY
Solid Surface & S/S Fixtures

P.O. Box 588
Glenside, PA 19038
www.barbierikline.com

Tel: 215.855.0440
Fax: 215.885.0446
info@bkreps.com

**Come on in.
The temperature
is perfect!**

Bradley
Enclosed
Safety
Showers

Navigator®
Thermostatic
Mixing
Valves

Keltech
Tankless
Tempering
Systems



BRADLEYCORP.COM
CONTACT: KEYSTONE SALES & ASSOC.
PH: 800-220-1025
441C COUNTY LINE ROAD
GILBERTSVILLE, PA 19525

Tempered Water Solutions From The Experts

Bradley's Tempered Water Solutions for safety eye/face washes and drench showers ensure the 15 minute flush of tepid water required by ANSI Z358.1. No need to worry about hypothermia from freezing cold water or scalding from water that is too hot. Bradley delivers all the components for a true tempered solution.



Thank you to our 2017 Golf Outing Sponsors

Trophy Sponsor
ZURN/GREEN TURTLE
Lunch Sponsor
(SSI) SUPPRESSION SYSTEMS INC
KEG Sponsor
NAVIEN
Straightest Drive Hole #6 Sponsor
L&R ASSOCIATES / TOTO

Corporate Sponsors

WILLIAM BETZ COMPANY	CLAPP ASSOCIATES
ZURN	BARBIERI & KLINE
JAMES MARTIN COMPANY	M&H SALES
TYLER PIPE	LUBRIZOL
MILWAUKEE VALVE	MIKE SNYDER & ASSOCIATES
GREEN TURTLE/ PROCEPTOR	FROET INDUSTRIES
RICH TOMKINS COMPANY	ROCKFORD SEPERATORS
UPONOR	PENN PUMP
DELTA FAUCET	ROBERT BROWN ASSOCIATES
BRADFORD WHITE	L & R ASSOCIATES
COPE WARDELL AMMON	HIGHLAND TANK
BJ TERRONI	ROBERT BURNS ASSOCIATES
(SSI) SUPPRESSION SYSTEMS	ROI MARKETING
VIEGA LLC	NIBCO
KEYSTONE SALES	SHERMAN ENGINEERING
HYDRO SERVICE & SUPPLY	VICTAULIC
DELVAL EQUIPMENT	VERNON BITZER
APOLLO FLOW CONTROLS	COMBUSTION SERVICE & EQUIPMENT

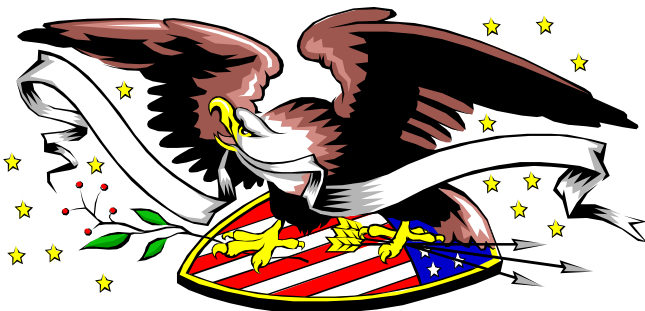
Hole Sponsors
HOLBY VALVE
SLOT DRAIN
MERION PUMP
PENN PUMP



**Chapter Presidents
Since Inception:**

Mike Panco	2016-Current
Dawn Bishop	2014-2016
Steve Ziga	2012-2014
Jerry S. Oflazian	2008-2012
Joseph M. Smaul	2008-2008
R. Paul Silvestre	2004-2008
Bill O'Donnell	2003-2004
Curtis Ray	2000-2003
David Moreno	1998-2000
Bill O'Donnell	1996-1998
Dave Holst	1994-1996
Ernie Rink	1993-1994
Joe Gallucio	1992-1993
Sevanti Jain	1990-1992
Ernie Rink	1988-1990
David Orrell	1986-1988
Thomas Coughlin	1984-1986
Robert Wagman	1982-1984
George Letherbury	1979-1982
Robert Hunter *	1978-1979

*Interim President





ASPE 2017-18 SCHEDULE OF EVENTS

September 14th	2017	Golf Outing	Pennsauken Country Club
September 28th	2017	Backflow Preventer in Vaults	Fisher's Tudor House
October 26th	2017	Philadelphia Chapter Product Show	Clarion Hotel & Conference Center
November 16th	2017	Leak Detection and Sub Metering	Maggiano's Little Italy Cherry Hill
December 14th	2017	PEX Piping Systems	Sugar House Hugo's Frog Bar
January 25th	2018	Roof Drains	Georgine's Continental Cuisine
February 22nd	2018	New Jersey NSPC Updates	Maggiano's Little Italy Cherry Hill
March 22nd	2018	Hydraulic Separators	Georgine's Continental Cuisine
April 26th	2018	Epoxy Coated Cast Iron Soil Pipe	Sugar House Hugo's Frog Bar
May 31st	2018	NFPA Medical Gas Piping Code Updates	Fisher's Tudor House
June 14th or 21st	2018	Tour	To Be Announced

IN ATTENDANCE AT DECEMBER DINNER MEETING

Lauren Berenato	Lee Martin	Randy Rohl	Mike Yearian
Dan Brown	Eric Martin	John Schmidt	
Al Camanga	Louis Menapace	Joe Sgrillo	
Sean Conn	Alex Negovan	Paul Silvestre	
Brian Courtright	Donald Nowicke	Mike Simmonds	
John Cupp	Mike Panco	David Smith	
John Dundon	Jesse Peters	Jill Smith	
Eugene Eidenzon	Vinny Pisano	Steve Smith	
Dan Evans	Mark Pisarek	Dwight Traub	
John Lee	Carl Ray	Andrea Uhl	
Matt Martin	Ernie Rink	George Wells	



**COME AND JOIN YOUR
COLLEAGUES IN JANUARY**