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**S E P T E M B E R
M E E T I N G
I N F O R M A T I O N**

Topic: Mixing Valve Standards

Speaker: Scott Hamilton

Sponser: Holby

Date: September 3rd, 2025

Location: The Tailor Public House & Kitchen - 505 8th Avenue

Time: Dinner Served: 5:30pm

Technical: 5:30-6:30pm

Social: 6:30-8:00pm



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A Message

FROM THE PRESIDENT



My fellow ASPE NYC Members,

I'm honored to welcome you all to the next year of ASPE as your new Chapter President! The Board of Directors has been busy this summer, planning an exciting way to honor our Chapter's 50th anniversary.

We are also excited to announce that on Thursday, October 9th, the ASPE NYC Chapter will officially be celebrating its 50th Anniversary with a dinner cruise! Please join us in celebrating this historic year as we cruise around the City that we engineer with food, drinks, and friendly faces. This event is open to **ASPE NYC Members** in good standing and their spouses/significant others! Please attend in Business attire.

The following timeline will be strictly adhered to; please be punctual!

6:00pm: Boarding & Cocktail Hour begins on the Majesty at Pier 81, W 41st St NY, NY 10036

6:30pm: Strict departure

6:30pm-9:30pm: Sightseeing Cruise, including the Statue of Liberty

10:00pm: Return to Pier 81

10:00pm-11:00pm: Dockside Afterparty

!!There is limited space available for this event!!

Permitted attendance of ASPE NYC Members and their ONE guest only, no exceptions.

Please use the following link to RSVP: <https://forms.gle/8bAqygxwnzeKc2kL7>

We look forward to seeing you all at our first Chapter meeting on September 3rd!

Yours in ASPE,
Sean Mooney, CPD



ASPE NYC 50th Anniversary Cruise

Thursday, October 9th, 2025

World Yacht Events—The Majesty
Pier 81, W 41st St, New York, NY 10036

Details

Business attire

Limited space available

Open to ASPE NYC Members in good standing and their
significant others!

Schedule

6:00 p.m. Boarding and Cocktail Hour begin on the Majesty at Pier 81

6:30 p.m. Strict departure

6:30–9:30 p.m. Sightseeing Cruise, including the Statue of Liberty

10:00 p.m. Return to Pier 81

10:00–11:00 p.m. Dockside Afterparty



RSVP here by October 7, 2025

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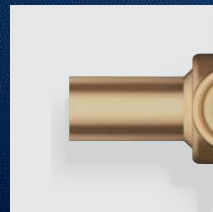
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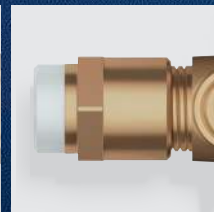
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The Statue of Liberty is depicted in a grayscale, slightly desaturated style. She is holding a large, black industrial pipe in her right hand. The pipe has white text on it: "USA CH" and "PIPE". The background is a faded, high-angle view of the New York City skyline, with various skyscrapers visible. The overall aesthetic is industrial and gritty.

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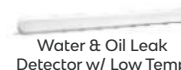
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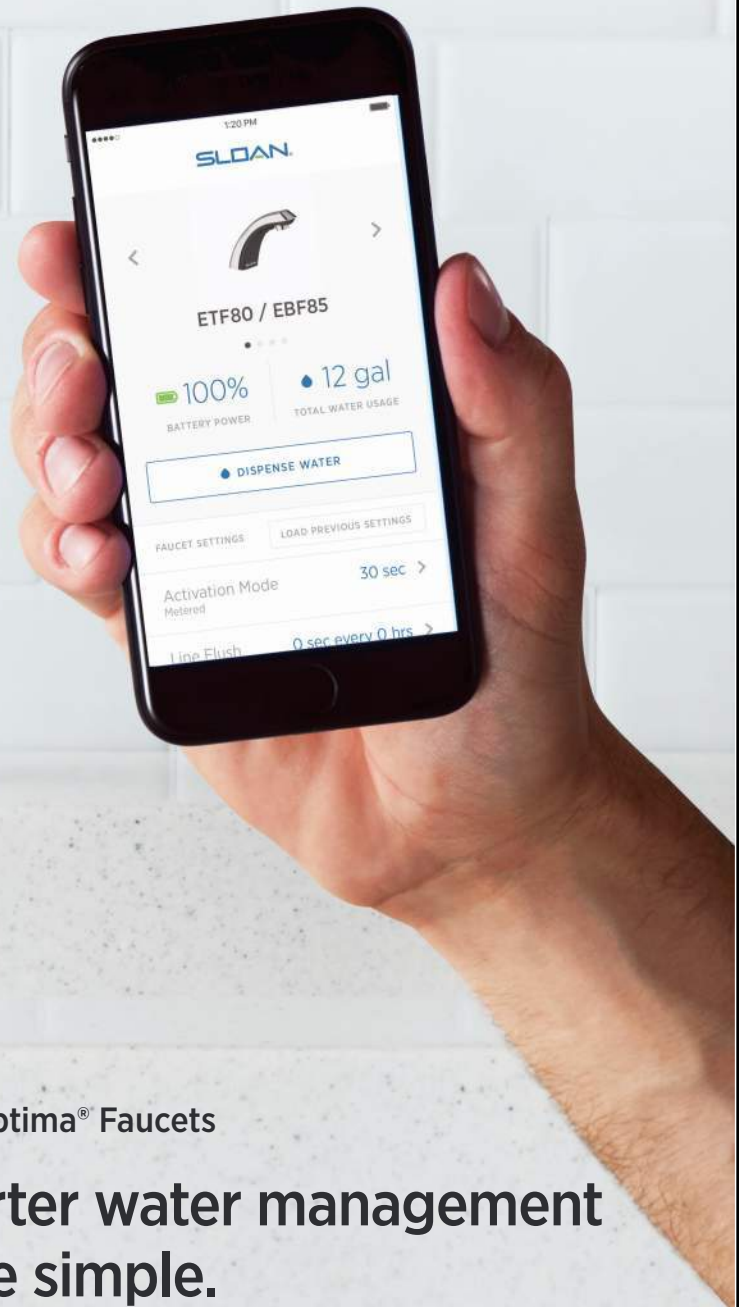
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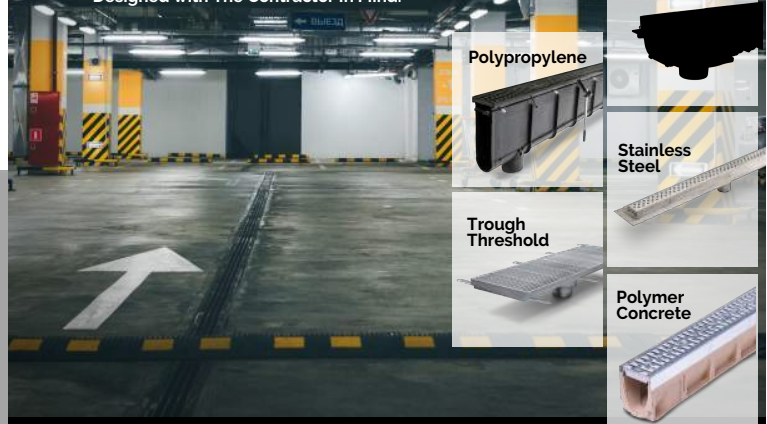
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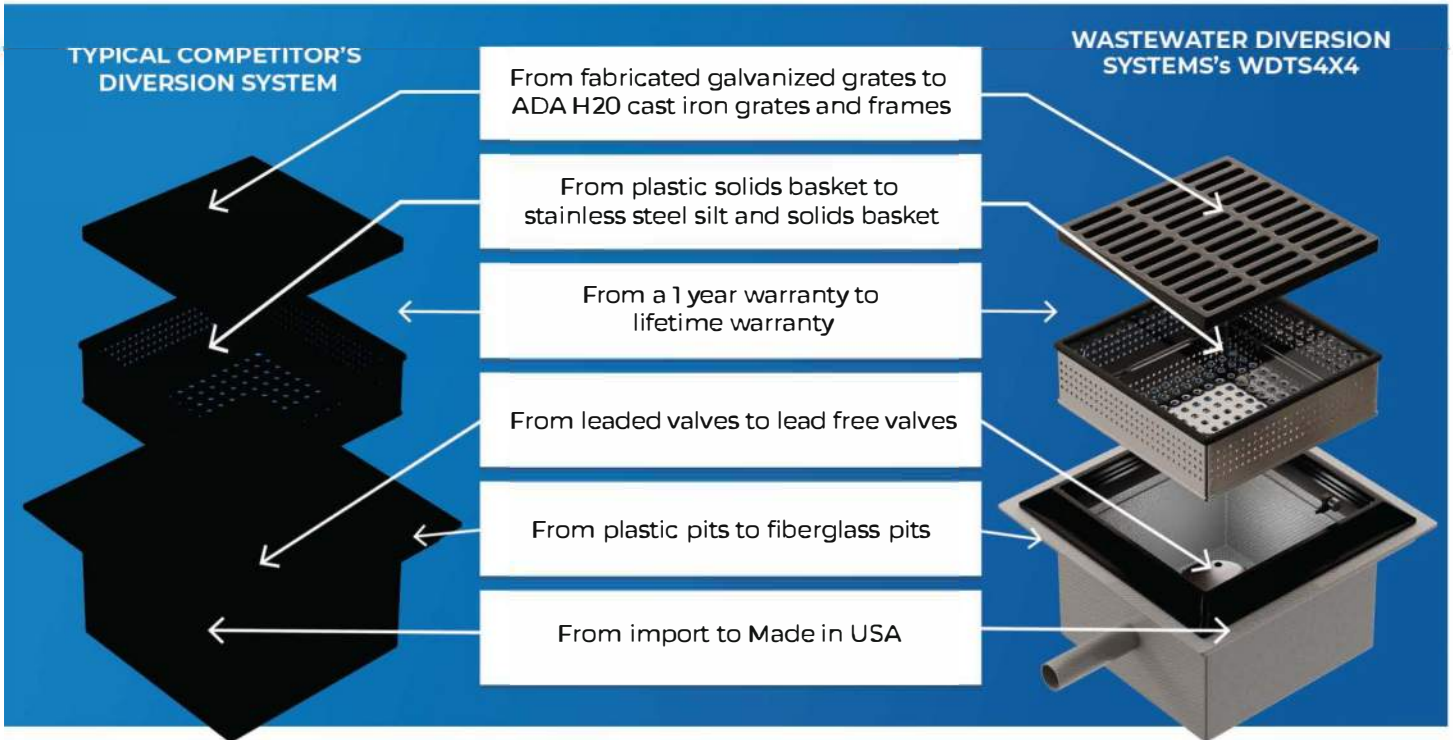
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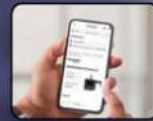
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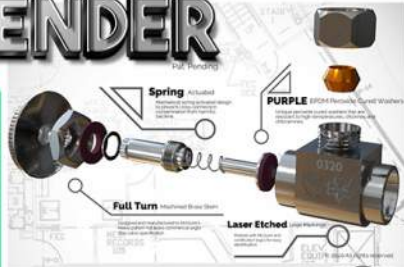
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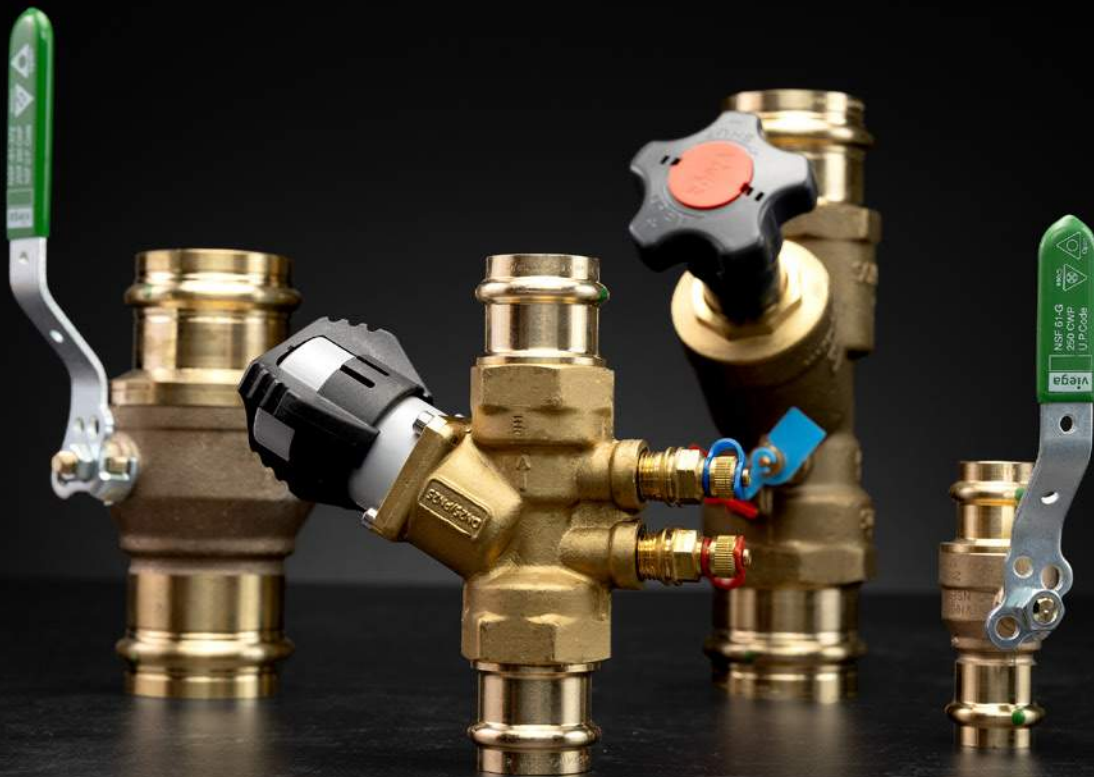
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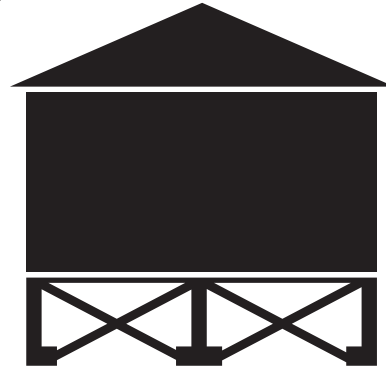
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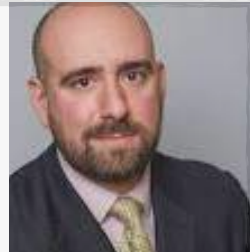
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CODE CORNER



Dear NYC ASPE Members,

Hopefully by now you've had a chance a drop by the Code Corner to see what its about. In case you haven't, this is a place to get an update into what's happening with discussions of the plumbing code committee. You have an opportunity to participate, NYC ASPE members can email me their concerns regarding particular code sections and the associated language which they believe needs to be discussed during code committee meetings.

Best Regards, Vinny Rotoli

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JUNE MEETING MINUTES

The June meeting presentation was initiated by Sean and ASSE board, who welcomed everyone and gave updates about some upcoming events. Sean announced the winners of the board elections and congratulated the new board who will be taking over in the next cycle. Event reminders included, the ASSE/ASPE Golf outing will take place on August 11th . Finally, members were also reminded that the 2025 ASPE Symposium will be taking place this year from September 24th to the 28th, in Orlando, Florida.

Technical Presentation: New Innovations in Medical Gas Piping by Mathis Carlson

The presentation focused on recent innovations and evolving code standards within the realm of medical gas piping systems. Specifically, the session introduced Corrugated Medical Tubing (CMT) as a viable, code-accepted alternative to traditional copper systems. Attendees gained insights into regulatory changes, design criteria, installation practices, and real-world project case studies that demonstrated CMT's performance and cost-saving benefits.

Mathis began the presentation by outlining key learning objectives, which included understanding the code acceptance and listing standards for CMT, as well as recognizing proper applications, installation methods, and sizing strategies for medical gas systems using this material.

The session included a review of key changes introduced in the 2018 and 2021 editions of **NFPA 99**. These changes addressed several critical updates, including the requirement of third-party inspections by ASSE 6020/6030 certified personnel prior to concealing medical gas piping. The code now mandates pressure testing at 1.5 times the operating pressure, and strict labeling standards for valves, outlets, alarms, and source equipment have been introduced to improve clarity and reduce risk.

Mathis then discussed the evolving requirements for **medical vacuum systems**, on-site oxygen concentrators, and dental-specific gas installations, which are now covered under a separate chapter (Chapter 15) in NFPA 99. Additionally, updates to valve requirements now mandate the use of purge ports on both the source and patient sides, including zone valves, to ensure system cleanliness and safety.

A substantial portion of the presentation focused on **Corrugated Medical Tubing (CMT)**—a relatively new piping option listed under NFPA 99 for medical gases, medical-surgical vacuum, and WAGD (Waste Anesthetic Gas Disposal). CMT is fabricated from copper alloy strip and coated in a protective nonmetallic sheath. It is UL listed under UL 1365, and its performance includes hydrostatic testing, thermal resistance, impact durability, and purity compliance.

The 2020 issuance of a CMS Categorical Waiver under QSO-20-40-LSC was highlighted as a critical regulatory milestone. This waiver allows the use of CMT in healthcare facilities operating under the 2012 NFPA 99 standard, significantly expanding its applicability.

Mathis emphasized the numerous advantages of CMT over traditional copper piping:

- Long continuous lengths enable up to 80% fewer brazed joints.
- Reduced leak points and fittings result in lower contamination risks.
- No hot work is required, which enhances safety and compliance.
- Installation is significantly faster—up to five times quicker than copper—leading to reduced labor hours and cost savings.

Case Studies

Multiple real-world projects were presented to showcase the application and effectiveness of CMT systems:

- **Melrose Wakefield Medical Center:** Compared a traditional 150-foot copper vacuum system (64man hours, 28 fittings) with a 150-foot CMT oxygen line (12 man hours, 4 fittings), highlighting an 82% labor savings and 79% reduction in fittings.
- **Parkview Outpatient Surgery Center:** Demonstrated the addition of zone valve boxes using 600 feet of CMT in a constrained retrofit project. The use of CMT reduced labor by 75% and enabled the project to be completed in two weekends instead of the originally planned seven.
- **Vermont Medical Center:** Installed a 450-foot underground oxygen main using CMT, completing the job in a single day with minimal fittings and eliminating the need for hot work inspections underground.
- **Magnolia Estates Long-Term Care Facility:** Replaced a 400-foot oxygen manifold in a tight attic space using CMT, completing the work in one day with no hot work. This resulted in an 84% reduction in labor hours and eliminated a \$7,200 fire watch cost.

Each case study emphasized improved efficiency, safety, reduced risk of system contamination, and substantial cost savings when compared to traditional copper installations.

Conclusion and Key Takeaways

Mathis concluded by reinforcing that CMT is not only a viable but often preferable alternative to copper for many medical gas applications. With proper certification, adherence to NFPA code, and the right installation practices, facilities can realize significant operational, financial, and safety benefits.

He also encouraged participants to refer to the MediTrac Design & Installation Instructions for technical compliance and directed attendees to NFPA and ASSE standards for formal interpretations and design qualifications.

Members were thanked for their attentiveness and respect for the presenter, and are encouraged to visit aspenyc.org where the presentation is uploaded to or contact Mathis Carlson at mathis.Carlson@omegaflex.com for more information.



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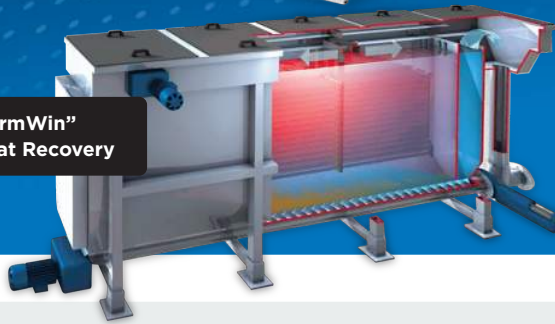
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T: (269) 279-3602

www.armstrong-intl.com

BeaconMedaes LLC

2071 5th Ave Ronkonkoma NY 11779
T: (800) 817-9297 M: (516) 521-5649

www.beaconmedaes.com

jay.dagostino@beaconmedas.com

Bradford White

725 Talamore Drive Ambler, PA 19002

L.Berenato@BradfordWhite.com

Burt Process

100 Overlook Dr. Hamden Ct.
T: (203) 287-1985

www.burtprocess.com

Charlotte Pipe c/o Platsky

298 Montrose Road, Westbury, NY 11590
T: (516) 860-5813 F: (516) 333-9446

Chicago Faucets c/o EPD

368 Wyandanch Ave., North Babylon, NY 11703
T: (631) 253-0600 F: (631) 253-0303

www.epdreps.com

Circuit Solver

5 Albertson Avenue, Albertson, NY 11507
T: (516) 625-2626 F: (516) 625-3030

Cullen

10 Memorial Drive, Neptune, NJ 07753
T: (732) 988-9600 F: (732) 988-3750

www.CullenCompany.com

Dellon Sales Company

5 Albertson Avenue, Albertson, NY 11507
T: (516) 625-2626 F: (516) 625-3030

Edwards, Platt & Deely

368 Wyandanch Ave., North Babylon, NY 11703
T: (631) 253-0600 F: (631) 253-0303

www.epdreps.com

Elkay c/o Dellon Sales Company

5 Albertson Avenue, Albertson, NY 11507
T: (516) 625-2626 F: (516) 625-3030

G.A. Fleet Associates

55 Calvert St., Harrison, NY 10528
T: (914) 835-4000 F: (914) 835-1331

Geberit

2100 S. Clearwater Dr. Des Plaines, IL 60018
T: (847) 803-5000

www.geberitnorthamerica.com/home/

Harper Control Solutions Inc.

1010 Washington Blvd, Stamford, CT 06901
T: (203) 964-1900 F: (203) 964-4900

www.HarperValves.com

Heat Timer Corp.

20 New Dutch Lane, Fairfield, NJ 07004
T: (973) 575-4004 F: (973) 575-4052

www.heat-timer.com

Highmark

49 W. 45th St., 6th Floor New York, NY 10036
T: (212) 920-4878

www.highmark.co

Holby Valve Co. Inc.

24 Ferdon Street, Newark, NJ 07105
T: (973) 465-7400 F: (973) 465-7475

www.holbyvalve.com

Isseks Bros.

298 Broome Street, New York, NY 10002
T: (212) 267-2688

www.isseks.com

Kohler

Joe Ghazarian
(215) 378-4903

joseph.Ghazarian@kohler.com

Lixil (American Standard/Grohe)

Mike Ford
(732) 628-6367

michael.Ford@lixil.com

LPI Controls

442 W 49th St, NY, NY 10019
T: (212) 244-8878

Metropolitan Industries, Inc.

37 Forestwood Dr. Romeoville, IL 60446
T: (815) 886-9200

www.metropolitanind.com

Nibco Valve Co.

1516 Middlebury St., Elkhart, IN 46515-1167
T: (973) 886-5322 F: (574) 295-3307

www.nibco.com

Olympic Plumbing

4 Aerial Way, Syosset, NY, 11791
T: (718) 528-4001

Platsky Company

298 Montrose Road, Westbury, NY 11590
T: (516) 860-5813 F: (516) 333-9446

<https://platsky.com/>

Quimby Equipment Co., Inc

159 Express St., Plainview, NY 11803
T: (516) 349-5959 F: (516) 349-0709

Rathe Associates

T: (631) 822-1200
www.ratheassociates.com

Reliable Automatic Sprinkler Co. Inc.,

103 Fairview Park Drive , Elmsford, NY 10523
T: (800) 431-1588 F: (800) 848-6051

www.reliablesprinkler.com

Rheem c/o Dellon Sales

1100 Abernathy Rd, Suite 1700 Atlanta, GA 30328
<https://www.rheem.com/>

Rich-Tomkins Company

T: (610) 859-3552

info@richtomkins.com

Rosenwach Tank Co. Inc.

43-02 Ditmars Blvd. 2nd Floor Astoria, NY 11105
T: (718) 729-4900 F: (718) 482-0661

SCHOTT North America, Inc.

2 International Drive, suite 105 Rye Brook, NY 10573
T: (914) 831-2215 F: (914) 831-2368

Sherman Engineering

1830 Country Line Road Unit 303
Huntingdon Valley, PA 19006

T: (215) 340-5300 F: (215) 340-5305

Sloan, c/o Edwards, Platt & Deely

368 Wyandanch Ave., W Babylon, NY 11703
T: (631) 253-0600 F: (631) 253-0303

Section 22 LLC

T: (732) 729-942-9444

sales@section22llc.com

Synergy Process Solutions, LLC

4610 Entrance Drive Suite H
Charlotte, NC 28273

www.pattonsmedical.com

T&S Brass & Bronze

2 Saddleback Cove, P.O. Box 1088
Traveller's Rest, SC 26990-1088

T: (864) 834-4102 F: (864) 834-3518

www.tsbrass.com

Viking Corp

Jim Dooley

(215)280-4764

jdooley@vikingcorp.com

Viega

9-03 44th Rd. Long Island City, NY 11101
T: (718) 308-6320

www.viega.us

Wales Darby Inc.

2910 Express Drive South, Islandia, NY 11749 T:
(631) 585-6800 F: (631) 585-6838

Wallace Eannace Associates

50 Newton Rd., Plainview, NY 11803
T: (516) 454-9300 F: (516) 454-9307

www.wea-inc.com

Watts, c/o Edwards, Platt & Deely

368 Wyandanch Ave., W. Babylon, NY 11703
T: (631) 253-0600 F: (631) 253-0303

Woods & Jaye Sales

33-09 37th Ave., LIC, NY 11101
T: (718) 786-8260 F: (718) 786-5393

sales@wjny.com www.wjny.com

Zurn, c/o Dellon Sales

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