

Central Texas Circulator

CHAPTER OFFICERS:

President:

Greg Rodriguez ASSE 6060
361.207.3424

Vice President Technical

Zed Hernandez
713.425.9888

Vice President Membership:

Christopher A. Phillips, CPD,
GPD 210.262.2142

Vice president Legislative:

Francisco DeHoyos FASPE
773.732.1150

Treasurer:

Andy Chantos

AYP Liaison:

Jacob Prado CPD
210-664-0728

WOA Liaison:

Hayley Divlbliss

Affiliate Liaison

Stephen Schneider, CPD

Chapter Affiliate Liaison:

Christopher A. Phillips,
CPD, GPD, 210.262.2142

Website / Social Media

Zed Hernandez
713.425.9888

Secretary

Tyler Johnson



Presidents Message



Dear ASPE Central Texas Members,

Happy February! We have some fantastic events we have lined up for this month.

- San Antonio - February 13th: Join us for a technical luncheon in San Antonio where we will delve into the crucial topic of sizing tankless water heaters for commercial applications.

- Austin - February 14th: The following day, we will continue our exploration in Austin. Don't miss out on this valuable opportunity to enhance your knowledge in the field.

- San Antonio - February 29th: Women of ASPE and ASPE Young Professional Putt Putt, Pizza, and Networking Event: Save the date for a fun-filled Putt Putt, Pizza, and Networking event. This is a great chance to connect with fellow professionals, share experiences, and build lasting relationships. Both Women of ASPE and ASPE Young Professionals are encouraged to attend. Feel free to bring a friend along for an enjoyable evening.

Your participation is crucial to the success of these events, and we look forward to your presence. Let's make February a month of learning, networking, and fun!

Best regards,

Register today!



CASPE
American Society of
Plumbing Engineers™
CENTRAL TEXAS

**Sizing
Tankless
Water Heaters
For Commercial
Applications**

Kevin Milazzo

— **Event Speaker**



Feb 13th, 2024
11:30 AM (Alamo Cafe on I-10)



Feb 14th, 2024
11:30 AM (Lupe Tortillas
Austin, TX)



KD NAVIEN®

**REGISTER @
WWW.CENTRALTEXASASPE.ORG**



Title: Exciting Lineup Ahead for Central Texas ASPE Chapter Meetings!

Hey ASPE enthusiasts,

Get ready to mark your calendars because our Central Texas ASPE chapter has an incredible lineup of presentations heading your way! From sizing tankless water heaters to cutting-edge solutions in plumbing, we've got it all covered.

Kicking off the series, we're thrilled to have Kevin Milazzo on board for our February meeting. Kevin will be diving deep into the world of tankless water heaters, specifically focusing on their application in commercial settings. If you've ever been curious about the ins and outs of sizing these efficient water heaters, this session is a can't-miss.

Moving right along, March is shaping up to be just as exciting with a presentation from the experts at Zurn. Known for their innovative plumbing solutions, Zurn promises to bring fresh insights and industry knowledge to our eager audience. Whether you're a seasoned professional or just starting in the industry, there's always something new to learn from the best in the business.

April showers won't just bring May flowers; they'll also bring a presentation from Acorn Vac! As spring blooms around us, Acorn Vac will be sharing their expertise in a session that's bound to be as refreshing as the season itself. If you've been looking for ways to enhance your plumbing knowledge, April's presentation is an opportunity you won't want to pass up.

And finally, rounding off our fantastic lineup in May is ECCO. With a reputation for excellence in the plumbing industry, ECCO is set to deliver an engaging and informative presentation that will leave you with valuable takeaways for your professional journey.

So, there you have it – a sneak peek into the upcoming months filled with knowledge-sharing and networking opportunities. Make sure to mark your calendars, spread the word, and join us for these incredible presentations. Our Central Texas ASPE chapter is gearing up for a season of learning, and we can't wait to see you there!

Best regards,

Zed Hernandez
Vice President Technical
ASPE Central Texas Chapter



Greg Rodriguez ASSE 6060
AYP AUSTIN



Jacob Prado CPD
AYP SAN ANTONIO

Dear ASPE Young Professionals,

I trust this message finds you well and thriving in the promising dawn of the new year. As we embark on February, the American Society of Plumbing Engineers (ASPE) Young Professionals have some exciting events lined up to enrich both your professional and social calendars.

Monthly Meeting at Alamo Cafe - February 13:

Our first gathering of the month will take place on February 13 at Alamo Cafe. This meeting promises to be an insightful session where we can share knowledge, experiences, and foster connections within our community. We're delighted to announce that representatives from Navien will be joining us to shed light on the world of Tankless Water Heaters. Bring your design questions, as Navien is here to help you make a splash in your next project.

Joint Mini Golf Event with Women of ASPE - February 23:

Get ready to tee off and let the good times roll on February 23 at Embassy Golf for a Mini Golf extravaganza. This event is not just about friendly competition on the green; it's a chance to strengthen the bonds within our diverse community. By collaborating with the Women of ASPE, we aim to create an inclusive and supportive environment for all members. So, bring your A-game, and let's see who can navigate the twists and turns of the course with the most finesse.

This joint event is a fantastic opportunity to connect with both Young Professionals and the Women of ASPE, fostering a sense of community and collaboration within our organization.

Save the Dates:

- ASPE Young Professionals Monthly Meeting: February 13, Alamo Cafe
- Joint Mini Golf Event with Women of ASPE: February 23, Embassy Golf February 23, 500 Embassy Oaks, San Antonio, TX 78216
-

We look forward to your active participation in these events, as we strive to make 2024 a year filled with professional growth, meaningful connections, and shared experiences.

See you there!

Best Regards,

Jacob E Prado CPD
Mechanical Project Designer 1

WHAT IS A Plumbing Engineer?

PLUMBING ENGINEERS are a vital part of design/build construction teams for residential, commercial, and industrial facilities. They interact with other construction trades to provide building owners with efficient, functional, and sustainable plumbing systems that protect the health, welfare, and safety of the public and prevent environmental contamination.

WHAT DO PLUMBING ENGINEERS DO?

PLUMBING ENGINEERS use the principles of fluid flow along with engineering calculations to design plumbing systems that transport fluids and gases throughout buildings. Those systems include:

$$S = \frac{\text{rpm}\sqrt{Q}}{\text{NPSH}^{0.75}}$$
$$x 2.31 - h_f L_h + \frac{(P_b - V_p)}{\text{Specific gravity}}$$



Domestic water systems



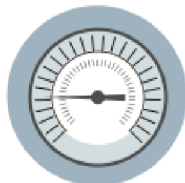
Wastewater



Fuel gas



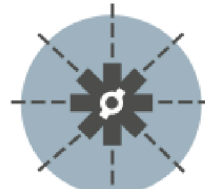
Medical gas & vacuum



Compressed air



High-purity water



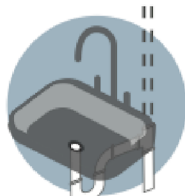
Fire suppression



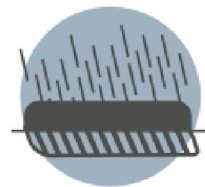
Chemical waste



Rain & stormwater systems



Venting



Site & building drainage



Water efficiency

WHAT DOES THE PROFESSION ENTAIL?

"The old adage that 'anyone can do plumbing' does not hold water anymore. A diversified and accomplished plumbing engineer is a valuable commodity in the design/build market."



PLUMBING ENGINEERS are highly skilled individuals involved in many different aspects of the design/build process, including:

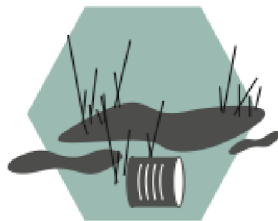
PLUMBING SYSTEM DESIGN	COMMISSIONING
PROJECT MANAGEMENT	CODE & STANDARD EXPERTISE
CONSTRUCTION ADMINISTRATION	FORENSIC & SUBSURFACE SYSTEM EVALUATION
BUILDING INFORMATION MODELING (REVIT)	COST ESTIMATION
PRODUCT & SYSTEM SPECIFICATION	PROBLEM SOLVING

PROTECTING PEOPLE & THE ENVIRONMENT

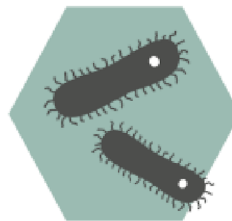
PLUMBING ENGINEERS help eliminate many of the threats that sicken people and harm the environment on a global scale by:



Delivering safe drinking water & sanitation systems



Combating groundwater contamination & depletion

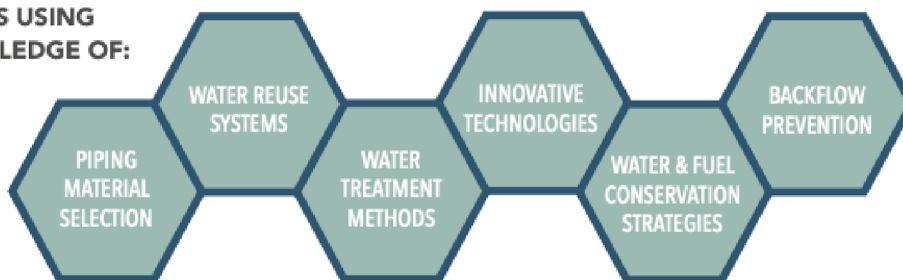


Preventing waterborne diseases



"Through their designs, plumbing engineers affect every life."

THEY DO THIS USING THEIR KNOWLEDGE OF:



HOW TO LEARN MORE

The American Society of Plumbing Engineers (ASPE) is the only association dedicated to promoting the plumbing engineering profession and helping plumbing engineers advance in their careers. Our members have a wealth of knowledge and experience and are ready to help others learn more about the industry.



To discover ASPE and find local contacts, visit:

aspe.org



Connect with Us





Women of ASPE®



Hayley DeVilbiss

WOA Liaison CT Chapter

Hey there! Let me tell you, Women of ASPE is like the powerhouse of awesome in our professional world. It's not just about breaking glass ceilings; it's about turning those shattered pieces into stepping stones for everyone. These women are kicking stereotypes to the curb and showing us all that the construction and engineering industry is a place for everyone with passion and skills, regardless of gender. The diversity of thought and experience they bring to the table is a game-changer, making our projects more well-rounded and innovative.

So, if you're not already plugged into the Women of ASPE community, you're missing out big time! It's not just about networking; it's like joining a supportive and inspiring family. Whether you're a seasoned pro or just starting out, getting plugged into this community opens up doors, fosters mentorship, and propels your career forward. It's not just about being a woman in the industry; it's about being part of a movement that's reshaping the narrative and making sure everyone's voice is heard. Don't just be a spectator; get in the game, and let's build a future where everyone thrives!

Thank you,

Hayley



Women of ASPE and ASPE Young Professionals

Put Put, Pizza & Networking

Feb. 29th

5:30 - 7 PM

Embassy Miniature Golf
500 Embassy Oaks
San Antonio, TX 78216

Grab a friend and join us for a fun evening of comradery on the course and take a swing at winning a prize!



Sponsored by:

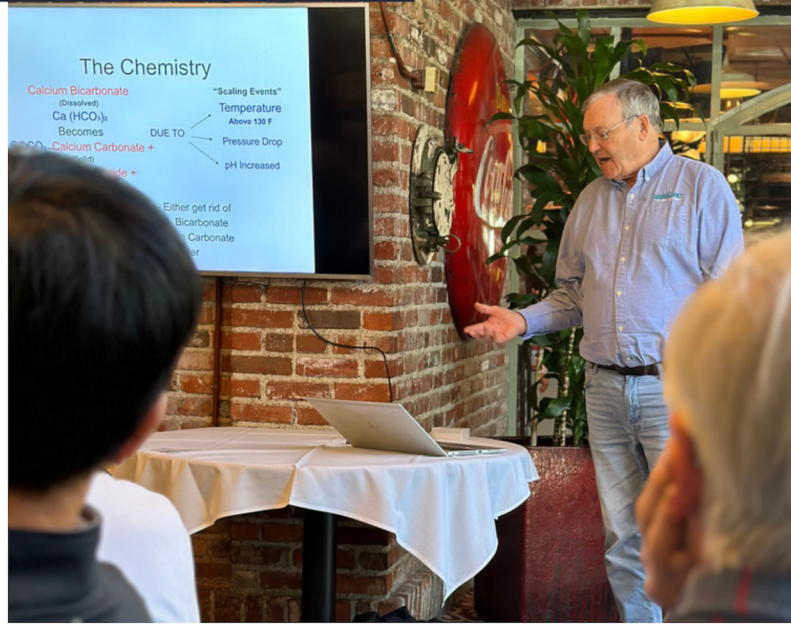
*American
Standard*

DXV



PART OF **LIXIL**

January Meeting



BATTERY REQUIREMENTS

Catching up with the energy industry



In most vehicle shops, either professional or as part of a high school shop, there is a place where batteries are stored and/or recharged. The most common way to store batteries is by stacking them in vertical racks. The location for these racks has a few requirements to meet from different codes: NFPA, OSHA, Electrical, HVAC, and Plumbing; as well as the Electrical Safety Foundation International (ESFI).



When batteries are stored, they have the possibility of leaking, releasing toxic fumes, setting themselves on fire and even exploding in situations where its storage room with poor ventilation or in a location that is exposed to high temperatures.



To comply with the most common risk “Battery leakage” the Plumbing code requires that a dedicated Acid-resistant floor drain is provided for the storage area which will be discharging into an acid neutralizer before connecting to the building waste system; therefore, piping and joining methods for drainage and vent systems have to be corrosion resistant to the Battery acids and the chemicals that might be used to put out a fire in case one or more battery cells get ignited.

These drainage requirements are covered by the IPC and UPC codes under “Special Wastes”.

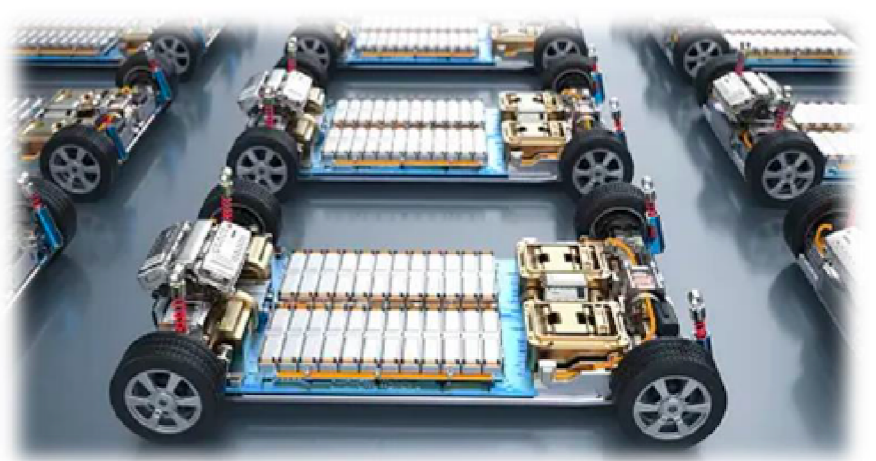
Nowadays Batteries have expanded their range of applications, they are no longer limited to automobile and minor voltage equipment. Its use has become a necessity for the modern robotic industry. Its usage varies tremendously, from medical equipment to warehouse distribution and storage logistics.



The industry in general has set a goal of reducing CO2 emissions by avoiding the use of combustion as a source of energy, instead, they are switching to environmentally friendly energy sources. Because of this trend, the use of batteries is increasing exponentially, and now all the **Autonomous equipment** fully depends on **portable energy**. This creates a need for most type of buildings to have storage for back up batteries. Even some equipment has a dedicated emergency battery energy generator.



The automotive industry is going through its own energy evolution. This change is compatible with the change that the auto industry experienced when the vehicles went from steam propulsion to gasoline...





The Ugly side

Despite the advances in energy technology, our current solutions for fire protection are not ready for fires created by defective batteries or recharging stations. Mainly due to wrong use or malfunction car batteries will ignite setting themselves on fire. The problem is that if one battery starts burning, the rest of them will catch fire as well. Currently, firefighters are not

equipped to put out this type of chemical fires that easily; because even when it looks like the fire is finally controlled, another battery soon starts burning to create a very dangerous situation for first responders; therefore, in most situations they let the vehicle to be totally consumed by the fire until it puts itself out.

The acquisition of electric vehicles and the use of e-bikes and e-scooters as a means of alternative transportation for work and recreational activities and not fully following the manufacturer's instructions pose a major fire risk while charging or storing. This issue has created a well-founded fear that a fire caused by a vehicle battery may extend to the neighbor vehicles or properties.



To avoid extensive losses, HOA's (Home Owners Association) are starting to request that these Electric vehicles and charging stations be located outside of the building even if the parking area/space is prepared with a fire protection system.



In conclusion, where Batteries are stored or get recharged due to the possibility of a corrosive leakage, a drainage neutralizing solution is required; in addition to that the risk of an explosion will require the provisions for an emergency shower/eye/face wash.

Per NFPA provisions to control an electrical fire shall be provided.

ESFI is providing free safety information and resources to help reduce the risk of injury and damage to property when storing and charging lithium-ion batteries.

Resources for electric vehicle owners:

- [Understanding Electric Vehicles tip sheet](#)
- [Electric Vehicles: Charging Options and Safety tip sheet](#)

Resources for e-bike and e-scooter owners:

- [E-Bike and E-Scooter tip sheet](#)
- [Lithium-Ion Battery Safety tip sheet](#)
- [Safety with E-Bikes and E-Scooters webpage](#)

References:

IFC, NFPA ESFI, IPC & UPC

Pictures: by: Kumpan Electric, Oxana Melis, & Andreas Rasmussen on Unsplash.com

Chesky_W, Sergeyryzhov, Vanit Janthra, Coffeekai, Zigmunds Dizgalvis, vkyryl, simonkr & PhonlamaiPhoto on iStockphoto.com

J. Francisco DeHoyos, CPD, FASPE.
Plumbing Technical Manager.



jfdehoyos@gmail.com



ASPE Central Texas Chapter, VPL.
ASPE Houston Chapter, Education Chairman.
ASPE Society Legislative Committee, Member.
ASPE Society Education Committee, Member.
ASPE Society Long Range Committee, Member.





CERTIFIED IN PLUMBING DESIGNSM

CERTIFIED IN PLUMBING DESIGN (CPD), administered by the American Society of Plumbing Engineers (ASPE), is the only international certification program specifically for engineers and designers of plumbing systems. Professionals who have the CPD credential are considered to have the highest level of skills in the design and specification of plumbing systems.

EARNING & MAINTAINING THE CPD CREDENTIAL

Am I eligible?

Route 1:

4 year engineering degree + 4 years of work experience designing plumbing systems

Route 2:

8 years of work experience designing plumbing systems

Other eligibility options:


Current CPDT certification counts toward 1 year of experience


PE license counts toward 2 years of experience



2024 CPD Exam Dates: April 15–26

The CPD Exam

To be eligible to take the CPD Examination, a candidate must possess:

Full ASPE membership or previously received approval to sit for the exam starting November 22, 2021; or

A minimum of four years of experience in a position of responsibility for the design of plumbing systems and possess a baccalaureate degree in a field related to engineering; or

In lieu of an accredited degree, a candidate may substitute up to an additional four years of practical experience in the design of plumbing systems, for a total of eight years, or be granted a credit of one-half year of practical experience for each full year of education in an accredited curriculum related to plumbing engineering.

CPDT Certification counts towards 1 year of experience.

Here's more about the CPD Examination:

[General exam FAQs](#)

[Exam open book policy FAQs](#)

[2023 CPD Bulletin](#)

[The exam is remote proctored.](#)

[CPD eligibility form](#)

The 2024 CPD Exam fees are:

ASPE Members \$450

Nonmembers \$675



CPD REVIEW CLASS



Instructor: Donald Taylor

CPD REVIEW CLASSES:

MARCH 2ND AND 3RD

10 AM – 3 PM (VIRTUAL)

MOCK EXAM: MARCH 30TH

10 AM – 3 PM (VIRTUAL)

REGISTER TODAY



Donald Taylor, CPD, GPD, FASPE, ASSE 6060

Plumbing Designer IV

engineering | architecture | construction | consulting

6565 N. MacArthur Blvd., Suite 1050 Irving, TX 75039

D: 469.801.8745 **M:** 405.406.0548 **O:** 469.801.8700 crbgroup.com

THE RELENTLESS PURSUIT OF SUCCESS. **YOURS.**™

 [Click here for more info](#)

Making the Most of Your Membership

MEMBER BENEFIT TIP #1 - BUILD A KILLER NETWORK

One of ASPE's greatest benefits is its members. Everyone is busy at home and at work, but members who attend Chapter meetings, [Conventions & Expositions, and Symposiums](#) are more likely to build a killer contact list. Our members are eager to help you in your next plumbing engineering problem, which undoubtedly will make you more competitive in the workforce.

Whether you are in sales or engineering, you sell yourself every day. ASPE has many networking opportunities for you to meet professionals who possess the skills and training necessary to help you out of a tight spot or put you in touch with someone who can help you. If you are outside your comfort zone, ask your Chapter Board to make the introductions. Exchange business cards and remember to follow up with a brief conversation or email thanking them for their time. Before you know it, you will be a pro in engaging other members, which will lead to career growth and prosperity. If you are not able to attend a Chapter meeting, [ASPE Connect](#) offers you a way to build your network online.

MEMBER BENEFIT TIP #2 - ASK A MEMBER FOR HELP

Being a member in ASPE enables you to call upon a friend for help. Your Chapter Officers know who does what. Call your [Chapter leaders](#) when you are stumped on the job and ask for help. More times than not, you will find a fellow member who is more than willing and able to assist you with your problem. If they can't help, kick it up to the [Region Director](#), and they will find you the help you need. ASPE members treat other members just like family; it's our single most valuable membership benefit.

MEMBER BENEFIT TIP #3 - BOOST YOUR INDUSTRY VISIBILITY

Demonstrate your abilities to lead and boost your industry visibility by volunteering to join your Chapter Board of Directors or apply to join the [Society Board of Directors](#). Employers, clients, and coworkers respect and look up to ASPE Chapter and Society Officers. Without our leaders, we would not have a Society; it's worth the work.

MEMBER BENEFIT TIP #4 - EXPAND YOUR KNOWLEDGE AND EARN CEUs

ASPE produces webinars for members to expand their knowledge of plumbing systems and design. Members pay about half the price as nonmembers and if the webinar is sponsored, members can participate for free, so this is a great member benefit. Hover over Education & Credentialing in the [aspe.org](#) main menu, and then click on [Webinars and Workshops](#). You can access current webinars as well as every webinar ASPE has ever held. Don't forget to recommend these to your colleagues and clients.

Through our special Read, Learn, Earn series, ASPE also can help you accumulate the CEUs required for maintaining your CPD or CPDT credential or other regulatory agency CEU programs for your Professional Engineer license. Here is how you do it. Go to [aspe.org](#), hover over Education & Credentialing, and in the left column you will see [Read, Learn, Earn](#). Click on it and it will take you to a page with the active materials. This benefit is free to members and \$35 for nonmembers. Download one of the articles, read, learn, and earn your CEUs. When you complete the payment screen, the system guides you through the questions and you can enter your answers directly into the system. (Note that members do NOT need to add a credit card.) Voila! If you get 90% correct, you will receive your 0.1 CEU in the email specified in your account.

MEMBER BENEFIT TIP #5 - TRACK YOUR CEUs

We've seen some extraordinary new things come out of ASPE in the past couple of years, but this benefit is as good as it gets. Did you know that you can track your CEUs in your member area on [aspe.org](#)? Well you can, and here is how:

1. Under Education & Credentialing in the [aspe.org](#) main menu, in the left column click on [Continuing Education](#). You have now entered the ASPE Education website.
2. In the menu click on [My Education](#). (You must be signed in to see My Education.) This takes you to your dashboard.
3. Under My Dashboard, click on Transcript/Achievements.

All of your ASPE-sponsored CEUs will already be populated in this table, but you can also add other CEUs from other sources. Simply click on the link toward the top of the table and the site will direct you to a page to add the session information and to upload a certificate.

This member benefit is invaluable in keeping your CEUs current, and it's only offered to members. Don't get caught empty-handed when the eventual audit for your credential comes around.

MEMBER BENEFIT TIP #6 - MEET POTENTIAL CLIENTS/MEMBERS

If you are an Affiliate member, in sales, who steps up and takes on a membership role, you are in a unique position to promote ASPE and your company. Your leadership role is a valuable way to place yourself in front of prospective clients and members. Talk to your Chapter Board of Directors and see what you can do to promote yourself and ASPE.

MEMBER BENEFIT TIP #7 - LEARN HOW TO MENTOR OTHERS

ASPE has mentor opportunities so you can help foster the career of another member. Opportunities are available for all members. Just click on [Mentoring Program](#) under Membership & Global Community on [aspe.org](#) for more information. Leave your mark on our Society.

MEMBER BENEFIT TIP #8 - ADD LETTERS TO YOUR NAME

We all market ourselves every day with everything we do, and ASPE can help with programs that can add letters to your name: our [Certified in Plumbing Design \(CPD\)](#), [Certified Plumbing Design Technician \(CPDT\)](#), and [Green Plumbing Design \(GPD\)](#) programs. These programs will help others instantly recognize your leadership and expertise in the plumbing design industry.

MEMBER BENEFIT TIP #9 - ACCESS YOUR ASPE ACCOUNT

Accessing your ASPE account has never been easier. Visit [aspe.org](#) and click on the [LOGIN](#) tab in the upper right-hand corner. If you know your username or email address and your password, enter them and you will be done. If you do not know your username and password but know your email address, click on the "Request a New Password" tab. A temporary password will be sent, but be sure to change it when you log in. If you do not know your username, you can try your last name followed by your member number, just the digits. For example: jones12345.

Having trouble logging in to your ASPE account or you can't remember your member number? No worries. Your Chapter Vice President, Membership has a roster with this information. Call or email them and they will be happy to help you access your account.

MEMBER BENEFIT TIP #10 - MEMBERSHIP RENEWAL

ASPE has made it easier than ever to renew your membership. Log in to [aspe.org](#) as you ordinarily do and then to the left of the login button is a green "[Join/Renew](#)" button. Just click and you'll be renewed in no time. **NOTE: If you have lapsed for more than 90 days, your account was purged from the membership database and you will need to reapply for membership.**

MEMBER BENEFIT TIP #11 - SPECIAL-INTEREST GROUPS

[ASPE Young Professionals \(AYP\)](#) is designed for young industry professionals looking to meet with peers to share experiences, exchange ideas about the plumbing design industry, and network with other Chapter members. The focus of AYP is to help young plumbing engineers, design professionals, and practitioners establish contacts and further the mission of the Society. ASPE members 35 years old and younger are all included in this special-interest group.

The core mission of the [Women of ASPE \(WOA\)](#) is to engage, retain, and advance women in the plumbing design industry, through education, leadership development, and networking opportunities. WOA is committed to bringing together women and assisting them to achieve their professional and personal goals.

MEMBER BENEFIT TIP #12 - ASPE TABLES

The [ASPE Plumbing Engineering & Design Handbook of Tables](#) is a tool to help members with pipe sizing, equations, and more. This information is available not only as a book, but it is also available in both the Apple App Store and in the Google Play Store, offering members a portable way to access these valuable tables from their phones. More recently, the tables have become available for download to your Mac or PC. Just visit the [ASPE Bookstore](#) and you can have these tables at your fingertips.

MEMBER BENEFIT TIP #13 - CAREER CENTER

ASPE's Career Center is a valuable tool for ASPE members seeking new jobs or those looking for experienced plumbing engineers to join their team. Just hover over Membership & Global Community in the [aspe.org main menu](#) and click on [Career Center](#) to get started.

What is ASPE?

The **AMERICAN SOCIETY OF PLUMBING ENGINEERS** (ASPE) is the only organization dedicated to promoting the plumbing engineering profession to both enhance career opportunities for our members and ensure the health, safety, and well-being of the public through the design of safe plumbing, drinking water, and sanitation systems.

WHAT WE DO



Provide continuing professional education programs



Publish design manuals, tools, and standards



Host conferences, tradeshow, and networking events



Certify professionals skilled in plumbing system design



Promote safe and sustainable water and sanitation systems



Represent the industry in local and national government



Help develop safe plumbing and building codes and standards



OUR MEMBERS

Our members are individuals working in various professions related to plumbing system design.

← What Is Plumbing Engineering?

Plumbing engineering is a vital part of the design/build construction process. Plumbing engineers use the principles of fluid flow with engineering calculations to design plumbing systems that transport fluids such as water, wastewater, natural gas, and rainwater throughout buildings.



HOSPITALITY



BARRIER-FREE

The Most Specified Brand in the Industry



FIAT
PRODUCTS



RESIDENTIAL



COMMERCIAL

Visit our website at
www.FIATPRODUCTS.com



Curtis Dady
(346) 287-6939
CurtisD@PMIreps.com

YOUR DRAINAGE SOLUTION FOR AUSTIN PARKING GARAGES

INLET GRATE BOX



CB-125 G

SHIPS IN
7 DAYS.

SAND/OIL INTERCEPTOR



OT-500

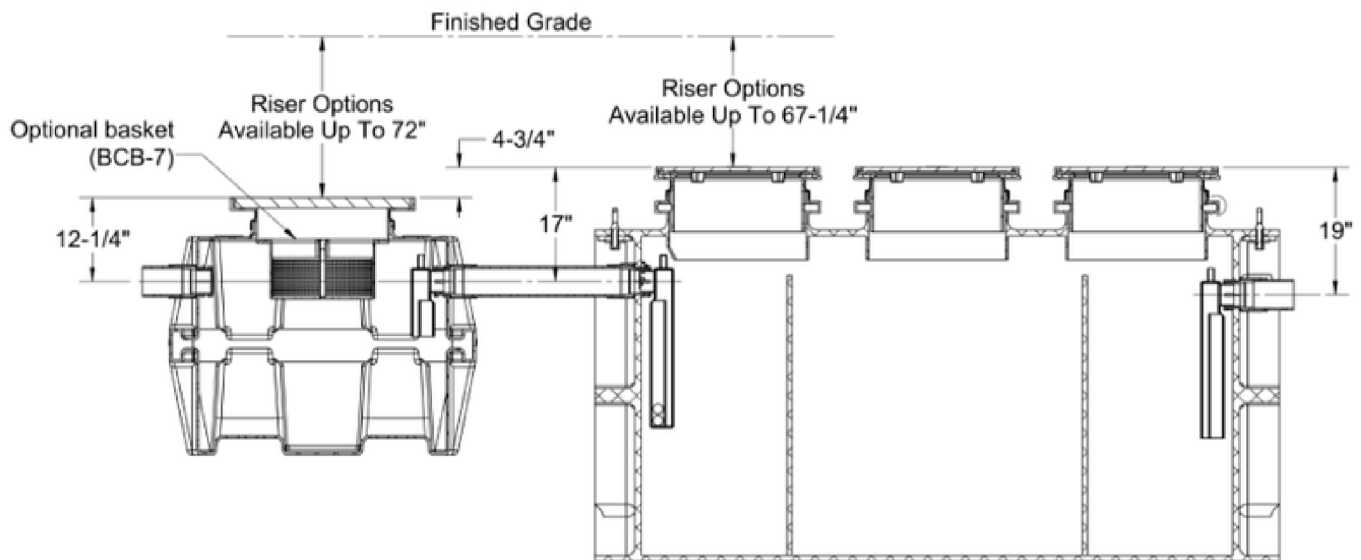


Austin Water requires an inlet grate box to be upstream from a 500 gal. sand/oil interceptor*



CB-125-G

OT-500



*Sand/oil interceptor size requirement is 250 gal. for five or fewer drains, and 500 gal. for six or more drains.



STRIEMCO.COM
913-222-1500



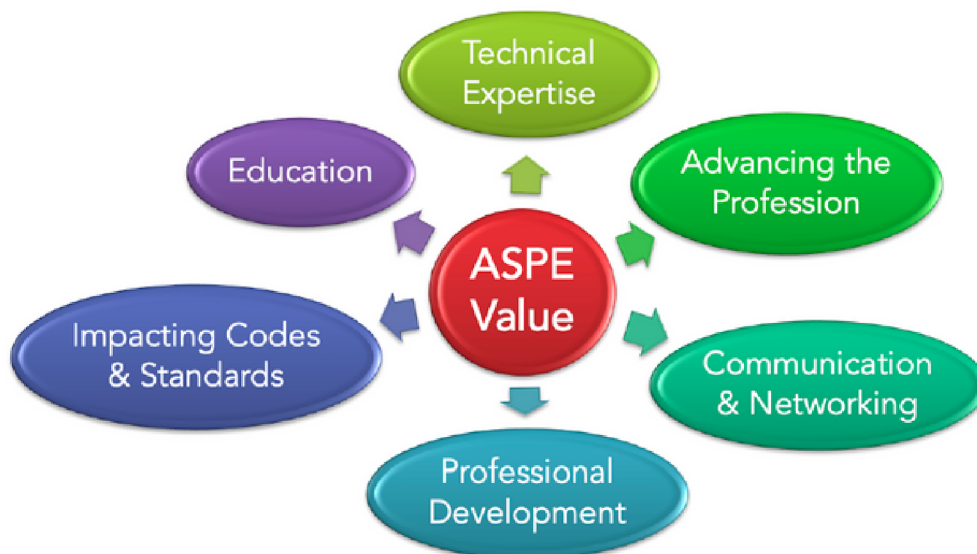


Connect with us
on Social Media!



ASPE Purpose

The core purpose of the American Society of Plumbing Engineers is to continually enhance and promote the profession of plumbing engineering design while assisting in improving the health, welfare, and safety of the public on a global scale.



CPDT CERTIFIED PLUMBING DESIGN TECHNICIAN®

HOW THE CPDT CREDENTIAL CAN ACCELERATE YOUR CAREER IN PLUMBING ENGINEERING

Due to its niche nature, plumbing engineering offers a long, stable, and profitable career, but breaking into the profession can be challenging if employers aren't aware of your unique skills. That's where the Certified Plumbing Design Technician (CPDT) credential can help. As the only credential

specific to plumbing system designers early in their careers, the CPDT provides immediate recognition of individuals skilled in this trade.

That's why Ashley Turlington, CPDT, recommends earning the designation. "Companies seek candidates with credentials

pertinent to their field," she says. "The CPDT can open up a lot of professional opportunities."

DEMONSTRATE YOUR TECHNICAL KNOWLEDGE

Administered by the American Society of Plumbing Engineers (ASPE), the CPDT program provides a standard of professional competence in the practice of plumbing design at the technician level. Employers are assured that designers who have earned the CPDT credential have the requisite knowledge and skills to excel in their company. This is one of the primary reasons individuals pursue the designation. "I earned my CPDT credential to demonstrate my technical knowledge of plumbing, and it has given me better recognition as a well-rounded plumbing designer," says John Lansing, CPDT, LEED Green Associate.

VALIDATION OF YOUR ACCOMPLISHMENTS

Through its rigorous processes, the CPDT program identifies professionals who have demonstrated their expertise and abilities in the field of plumbing design. The certification exam tests an individual's proficiency in skills that employers desire, such as laying out systems, sizing calculations, selecting equipment, and preparing documentation. The test specifications and content reflect the abilities essential to performing at the technician level of a plumbing designer.

The CPDT credential gives you "more respect, validation of your accomplishments, and [subsequently] more compensation," says Justin Wroblewski, CPDT.

IMPROVE YOUR VALUE TO YOUR COMPANY

The CPDT program's recertification requirement means that CPDTs must stay current on new techniques and technologies through continuing education, which is a desirable trait to employers who are looking for an edge in the competitive MEP market. Having CPDTs on their staff showcases a firm's expertise and their commitment to maintaining the highest, most up-to-date design standards.

"My CPDT credential has allowed my company to get better jobs because clients view us as more knowledgeable," Turlington says.

And the benefit is mutual. "Taking the step to improve your value to your company will also benefit your career," says Wroblewski.

HOW TO ACCELERATE YOUR CAREER

The CPDT program is designed for plumbing system designers with less than eight years of professional experience, and the exam is held annually at online testing sites around the world. If you are planning on achieving ASPE's internationally renowned Certified in Plumbing Design (CPD) credential, the CPDT is an excellent starting point.



To learn more and start accelerating your career, visit www.aspe.org/education-credentialing/cpdt/cpdtexam

MEET THE GREAT BASIN™ FAMILY



San Antonio and Austin Approved!

Contact Zed Hernandez at 713.425.9888 or zed@championsmarketing.net to help you size your next project.



▲ Our new GB-1000 being installed at Costco in Independence, Missouri



SCHIER

REPRESENTED BY



GM GREASE MONKEY™

Size your project with Grease Monkey.
GreaseMonkeySizing.com

LIFETIME GUARANTEED GREASE INTERCEPTORS



February

Stephen Schneider CPD

Ron Nevill

Wes Goodwin PE

Jose Flores

David Wilkins

James Chankin

David Meyer PE

Shannon Boyd CPD

Gil Flores

Jerry McGovern PE

Chris Johnson

Rodyn Collera CEM

Marcus Putirskis PE

Cesar Roque EIT

ASPE Mentoring Program

This program, which is available to all members of the Society, has been designed to connect ASPE members who have a particular skill set (mentor) with individuals (mentee) who are searching to acquire the same skills to develop and make progress toward their personal and professional goals.

Who Is a Mentor?

A mentor is someone who can help the mentee develop skills for success and long-range career planning, is able to be a good listener, is willing to share experiences and views, is willing to commit time and effort, provides an “open door” to questions and problems, points out both strengths and opportunities for improvement, and has a vested interest in the growth and development of their mentee.

Benefits to the mentor:

- Satisfaction in helping someone mature, progress, and achieve goals
- Meeting and sharing experiences with other mentors
- Personal ongoing support to help the mentee succeed
- Personal fulfillment through contribution to the Society and the individual

Who Is a Mentee?

Having a mentor can contribute to a successful and satisfying career. Without a mentor, that learning occurs mostly through trial and error. With a mentor, even experienced professionals can benefit from the experiences and expertise of someone who has withstood the trial and can help the mentee avoid the mistakes. Similarly, those new to the industry will discover that being a mentee shortens the learning curve for acquiring the skills and knowledge most critical to a fruitful career.

Benefits to the mentee:

- Discover new talents about yourself
- Career satisfaction
- Expand your personal network
- Maximize your strengths

connect.aspe.org



AT LAST - IT'S ARRIVED!



Just what you've been waiting for!

Independent third-party performance verification under a US test protocol for a Physical Water Conditioner - the alternative to the conventional water softener.

- **AT LOW COST**
(You can't afford not to treat hard water anymore)
- **ZERO PLANT ROOM FOOTPRINT**
(Attaches to the wall or to pipe work)
- **ZERO SERVICING**
(No Salt)
- **ZERO MAINTENANCE**
(Which means it is 100% reliable)
- **WARRANTED FOR 20 YEARS**



Case Study: Panorama Towers, Las Vegas, NV.

Cost to install: **\$55,000** ✓
 Savings over conventional softener in year one: **\$168,000** ✓
 Estimated 3-year savings: **\$500,000** ✓
 Annual Running Costs: **\$200**

Download the Engineer's Specifier Guide from www.aqua-rex.com

Scale Down. Soften Up.

aqua-rex.com 877-640-2170



TEST REPORT

5001 E. Philadelphia Street
Ontario, California - USA 91761 - 2816
Ph: 909-472-4100 | Fax: 909-472-4243
<http://www.iapmoert.org>

Report Number: 2536-18001-002 Project No.: 29225
 Report Issued: February 26, 2018.
 Client: Aqua-Rex
 3301 Spring Mountain Road Ste 18
 Las Vegas, NV 89102 Contact: Jonny Seccombe
 Source of Samples: The samples were shipped to IAPMO R&T Lab from Aqua-Rex, and received in good condition on October 11, 2017.
 Date of Testing: October 25, 2017 through December 15, 2017.
 Sample Description: Scale Prevention Device; model: Aqua-Rex WK1-E.
 Scope of Testing: The purpose of the testing is to determine the efficacy of the Scale Prevention Device per section 5 of IAPMO IGC 335-2018, entitled "Rapid Scaling Test for Scale Prevention Devices".

CONCLUSION: **When tested per Section 5 of IAPMO IGC 335-2018, Aqua-Rex WK1-E reduced scaling by 83% when applied to Las Vegas water tested to TSDP.**

Tested by,

Reviewed by,

Harry Ninh
Harry Ninh, Project Engineer

Sean Vu
Sean Vu, P.E., Manager, Specialty Projects



Pump Water. Not Oil.

ELV-Series Sump Pumps with OilTector® Control
Environmentally-friendly pump systems for elevator
sumps, transformer vaults and areas where the
discharge of oil into the environment is prohibited

Liberty Pumps®

A Family and Employee Owned Company

Represented Locally By:

WWIP Corporation

WWIPcorp.com



OilTector®

Arlington

600 112th Street - Suite A
Arlington, TX 76011
P: 214-920-8420

Houston

2516 E. Crosstimbers
Houston, TX 77093
P: 713-699-5778

BRADFORD WHITE
WATER HEATERS
Built to be the Best

MORE PROTECTION THAN EVER

Vitraglas® is an exclusive enamel tank lining that provides unsurpassed protection from the corrosive effects of water. Microban® antimicrobial technology provides additional product protection by helping to prevent the growth of bacteria, mold and mildew on the surface of the tank lining.

Bradford White Microban® specifications can be accessed in the following locations:

- BSD Speklink to get Microban® integrated into the platform.
- MasterSpec to get Microban® integrated into the platform.
- Specification section on the Bradford White website (scan the code to access).

VITRAGLAS
SUPERIOR PROTECTION SINCE 1951

+ MICROBAN

PMI
Sales and Marketing, Inc.

Curtis Dady
(346) 287-6939
CurtisD@PMIreps.com

Microban® antimicrobial product protection helps prevent the growth of bacteria, mold and mildew that may affect the product. The built-in antimicrobial properties do not protect users or others from disease-causing organisms. Microban® is a registered trademark of Microban Products Company. ©2022, Bradford White Corporation. All rights reserved.



MECHLER-BLASS ASSOCIATES



DA | **DILLARD ASSOCIATES**

American Standard

LIXIL

Andy Chantos
Leader: Architect and Design, Engineer,
Multi-family, Hospitality

American Standard Brands
Andy.Chantos@lixil.com
www.americanstandard.com |
www.dxv.com | www.grohe.com/us

LIXIL Link to Good Living
Mobile: 732-514-2908




Tiny valve-clogging bits of debris, meet your match.
Introducing Ultima



Failed flush valves waste time, money and water. The Ultima Diaphragm Flush Valve features a self-cleaning wiper spring that clears the refill orifice with every flush, preventing clogs and run-on before they start. It's the very tiny big idea you've been waiting for. After 150 years, American Standard knows what you need in reliable bathroom performance.



MediTrac[®]
Flexible Medical Gas Piping by OmegaFlex[®]



Up to 5x faster installation. 100% more time for patient care.

Rarely does a product come along that lowers costs and risks while adding more time for patient care. MediTrac[®] rolls out these benefits and more with patented, bendable, long-length corrugated copper alloy medical tubing. Up to 70% fewer fittings. Up to 80% less hot work. Up to 5 times faster installation and up to 55% less cost* without closing sections of your facility. Now that's ingenuity on a roll.

* Typical installations reveal total cost savings of 55% or more.



OmegaFlex[®]
1.800.355.1039 | MediTrac.US

MediTrac fully complies
with NFPA 99-2018

MTUS-530 REV 06/19

© OmegaFlex 2019