

# Pipeline Monthly



January, 2021  
Volume 52, Edition 11

## VP TECHNICAL REPORT

ANTHONY WIKUM, VP TECHNICAL

Decarbonization is here and will be required moving forward for specific projects. The industry has been preparing for this and there are multiple strategies and products to meet the requirements.

If Electrification is the strategy, electric water heaters and boilers are available. The additional KW requirements must be coordinated from the mechanical room to the main electrical room to the utility connection. Utility upgrades may be required.

Commercial Heat pumps are common and available whether it's air source, water source indoors, or outdoors. There are considerations for both strategies including storage volume and CFM for the air source.

If roof-mounted panels will be incorporated in the design the additional backup heating can be calculated in the design. Among many considerations, the controls must also be coordinated and detailed.

If the strategy is to economize one system by precooling or pre-heating a system with a heat exchanger the addition of a plate and frame, brazed plate or shell, and tube can be configured. The available temperatures must be reviewed to ensure the proper equipment is selected.

For each of these strategies are the limitations, advantages, and disadvantages are known. Calculating the options must be confirmed within the estimated budget. Designing with the additional equipment space and weight requirements must be coordinated. Whatever the requirements you are designing to you must keep the big picture in mind.

CONTINUED ON PAGE 9

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### Special points of interest

- Covid 19 Update
- National Convention
- ASPE SD Golf Outing

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# PRESIDENTS REPORT

## GRANT SCHAFFER ASPE SD PRESIDENT , REG. 4 NOMINATING COMMITTEE

San Diego ASPE, Welcome to the new year we are having success with the online meetings. Thanks for everyone continued support. We are looking into posting the webinars to the website so stay tuned.

No new news, other than we all know that the COVID-19 vaccines are coming out. Be safe and soon we should all be back together in person.

As a reminder we will provide CPD education, but we need your assistance for those who want to take part in the service ASPE SD provides. Please contact Martin Trim so we can get a schedule out are going out via email. The dates would be 1 x per month and are typically from 5:00pm-8:00pm. Registration has begun, and exam dates are from April 5<sup>th</sup> – April 16 2021.

Don't forget the Technical Symposium: September 21-26, 2021 is in San Diego, CA; 2022 <https://www.aspe.org/2021-tech-symposium/> will be a 2 1.5 days conference held at the San Diego Marriott Mission Valley Welcome party Friday September 24<sup>th</sup> at 6:00

pm through 8:00 pm: Convention & Expo: September 16-21, 2022 in Indianapolis, IN; 2023: Technical Symposium: September 26-October 2, 2023 in Bellevue, WA

The 34<sup>th</sup> Annual golf outing has been set. See Martin Trim for sponsorship, register online on [asped.org](http://asped.org). Signups and any volunteer efforts that you can spare. Thanks for those who dedicate their time to keep ASPE AD moving forward. BE Safe, enjoy the Holidays and have a Merry Christmas.

Warm regards, Grant Schaffer

ASPE San Diego President Warm regards,  
Grant Schaffer

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Report Number: 2536-18001-002  
Report Issued: February 26, 2018.  
Client: Aqua-Rex  
3301 Spring Mountain Road Ste 18  
Las Vegas, NV 89102  
Contact: Jimmy Secombe  
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 150°F.

Tested by:

Reviewed by:

*Hank Ninh*  
Hank Ninh, Project Engineer

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

  
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## V.P. Membership Report

Chrissy Hamm, VP Membership

The San Diego ASPE chapter is down in members, we currently have 89. Lets try and stay connected this year. One way to do that is join or keep your current ASPE membership current. Let's keep getting the ASPE membership word out there. I know I have mentioned this in past emails but keep in mind the value & benefits of the membership.

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- \* ASPE Plumbing Engineering Design Handbook
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- \* Local chapter<<https://aspe.org/Regions>> affiliation

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If you find any of the above benefits of value to you & you are not a member, please consider becoming one. Contact me if you need help doing so.

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# CONTINUED VP TECHNICAL REPORT

## ASPE SD UPDATE

Due to San Diego City and County Lock down, mass gatherings for San Diegoans is still in the holding stage. Please take note to local updates for Covid 19. As we wait out this dilemma stay tuned to the ASPE SD website and the newsletter for future even holdings for the ASPE SD chapter. Currently Anthony Wikum is managing all monthly event and webinars are common place. We will let everyone know soon when we can all get back together. Thanks for the patience and stay safe.

Please reach out to your resources and educate yourself on the equipment. The ASPE calendar is a great start to review the upcoming topics. Educating yourself and coordinating early will save you from multiple redesigns.

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Anthony Wikum

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Women of ASPE is having an opportunity drawing March 17<sup>th</sup> to celebrate our Women of ASPE community.

A special shout out to the following Women of ASPE Liaisons:

- Vivian Enriquez- Los Angeles Chapter
- Anne Yardley Caldwell - Orange County Chapter
- Claire Cowan - Phoenix Chapter
- Liza Cusimano - San Diego Chapter
- Esperanza Arab - San Francisco Chapter
- Linda Burman - Seattle Washington Chapter

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2<sup>nd</sup> Prize 2nd prize is a LifeStraw <https://youtu.be/7yDWZsHxf9w>

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*Good Luck!*

Linda Deunay  
Women of ASPE Region 4 Liaison

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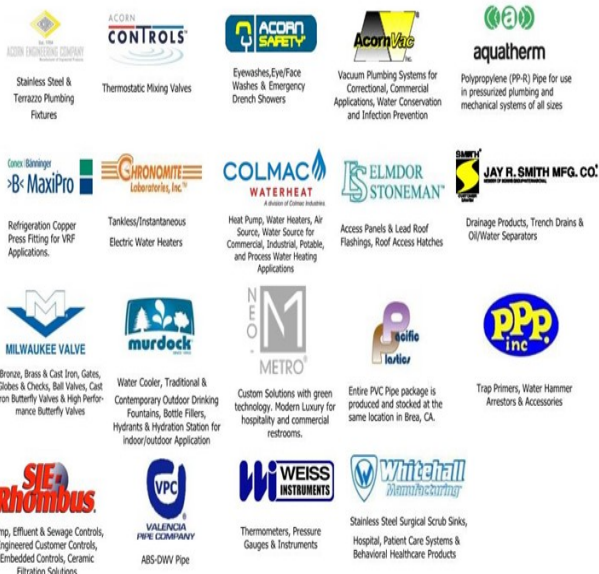
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## Advancing the Profession of Plumbing Engineering

ASPE is the international organization for professionals skilled in the design, specification, inspection and manufacture of plumbing systems.

## Covid 19 Update

# UPDATE ON ASPE OPERATIONS DUE TO THE CORONAVIRUS (COVID-19) PANDEMIC

<https://www.aspe.org/blog/update-on-aspe-operations-due-to-the-coronavirus-covid-19-pandemic/>

“Considering the continuing novel coronavirus (COVID-19) pandemic, and the current environment in which we live and work, ASPE is taking additional steps in protecting the health, welfare, and safety of our members, partners, and staff. During this time of working remotely and “social distancing,” the best way to communicate with staff is via email. You can find everyone’s email addresses here: [aspe.org/about/staff](https://www.aspe.org/about/staff). ASPE staff has developed a proactive guidance webpage with resources to help address many of the needs and concerns of our members: [aspe.org/coronavirus-covid-19-preparedness-resources](https://www.aspe.org/coronavirus-covid-19-preparedness-resources).

Billy Smith, FASPE, ASPE Executive Director/CEO”