

Process Solutions

Water and Process Fluid Purification

E-X-P-A-N-D-I-N-G!!!!

No, we're not all gaining weight (ok, maybe a little). We've outgrown our current space so we're expanding into the one next door. This is going to add offices and *triple* our warehouse space. Construction starts in mid-February.

The additional warehouse space will permit us to offer more products and services – including in-house membrane cleaning! For those of you who have considered offsite cleaning but don't want to ship your elements halfway across the country, our Cincinnati cleaning facility will offer another option. The cleaning will be performed with the *Avista* cleaners that we've all come to depend upon. The cleaning station is currently in the design phase, with a targeted startup date of mid-year. Stay tuned for updates!

Good to the Last Drop!

We've had a number of requests already, so we're going to offer it again this Fall, about 6 months ahead of schedule. "*Good to the Last Drop – A User's Guide to Membrane Systems*" will be presented again in Louisville, Indianapolis, and Cincinnati/Dayton the week of October 17, 2022.

For those of you who haven't had the opportunity to attend one of these seminars, industry experts present information on membrane types and applications, new developments in membrane technology, membrane construction, system design and operating guidelines. From an operating perspective information is presented on troubleshooting techniques, membrane cleaning, biofouling and other challenges commonly encountered in system operation and maintenance. For new (and existing) operators, this class offers a solid foundation for operating and maintaining your membrane system.

Invitations will go out in late August; in the meantime if you would like further information, please feel free to call us at **(513) 791-3338!**

About Our Organization...

At **Process Solutions, Inc.** we're committed to being your full-service supplier of water treatment products, systems and services. We do this by providing our customers with high quality products, great service and *all at competitive prices*. Please feel free to call us with your feedback and suggestions as to how we can be of service to you.



"Good to the Last Drop" will be offered Fall 2022!

Keep That Storage Tank Clean!!



UV Unit mounts on top of the tank to keep the sidewalls clean and bug-free!

When was the last time you opened up your RO storage tank and the walls above the water level were slimy and nasty? Because of their warm, moist environment, these are ideal breeding grounds for bacteria. Something our friends in the beverage industry have known for years that might benefit the rest of you – UV for the headspace above the water level!

These units can be mounted directly on top of the tank or remotely and disinfect the air in the headspace to maximize protection and remove airborne organisms. Positive pressure provided by a blower, eliminates condensation, while the UV lamps and filters ensure that incoming air is free of airborne contaminants. Tank vents with HEPA filters are provided to allow air to exit so the tank can be fed with fresh, clean air. Anyone with a tank storing RO, DI or dechlorinated water can benefit from this technology. These units are also *very* reasonably priced.

To determine whether this approach makes sense for *your* application, contact your **Process Solutions Inc.** sales representative!

One-Stop Shopping!!

“Do you folks sell equipment?” This question leaves us a little bit dumbfounded. While we truly appreciate the opportunity to work with our valued customers on service, membranes, membrane chemistry, resins, media, etc., we find that they remember us for what we do for them and don’t think about the rest.

As a reminder, we offer:

- Complete new systems!
- System upgrades and retrofits
- Replacement membranes, media, ion exchange resins, activated carbon
- *Avista* membrane chemistries and analytical services
- UV sterilizers
- On-line process analyzers
- Consumable items: filter cartridges, UV lamps & sleeves
- Replacement parts – for *any* system!
- Field Service – rebeds, membrane replacement, troubleshooting, preventive maintenance, training

If you’re not sure, ask us! If we can’t help you, we’ll help you find someone who can. You can reach us at **513-791-3338!**



When it comes to water, we’re your full-service supplier!!

New Membrane Products - Filmtec Prime RO!!

Our friends at DuPont Water Solutions have just introduced a new portfolio of membrane elements – Prime RO! These elements are the next generation of industrial membranes, an upgrade from the conventional BW30 that we are all familiar with.

With the upgrade to these new PRO membranes, end users can expect to see these advantages over the BW30 elements:

- Reduction in salt passage, i.e. better permeate quality
- Reduction in energy requirement, up to 20%
- Improved permeate flows
- Enhanced fouling protection due to 34 mil feed spacer
- More models available as iLEC (interlocking end cap)
- More durable and improved cleanability

For those of you concerned about silica, the PRO membranes offer enhanced silica rejection as compared to the corresponding current models. Rejection of boron, nitrate, TOC and ammonium is also improved over the legacy elements. And in general, these membranes' actual performance tracks much more accurately with the design software.

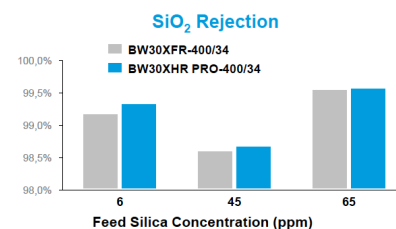
In addition to improved performance, these elements have a significant impact on sustainability, reducing CO₂ emissions from the manufacturing process by *almost 17 million Tons per year!*

The 400 square foot elements were released for purchase in January 2022, with the 365 square foot elements being released for purchase in July 2022. The 440 square foot elements are already available.

One last (and significant!) benefit is that the PRO series membranes offer a **5-year** warranty rather than the industry standard 3-year warranty. This includes materials and workmanship; and the extended warranty merely requires the end user to register the serial numbers of the elements being installed.

Data sheets and SDS for all of these elements are available upon request.

For further information or to evaluate these elements for your application, please contact your **Process Solutions, Inc.** sales representative!!



Filmtec's Prime RO series offers enhanced silica rejection!



Who Says It's Not Easy Being Green ?

If you would prefer to save a tree and receive our newsletter electronically, please email us at sales@psiwater.com and we'll add you to our electronic distribution list. Thank you!

Process Solutions, Inc.
7845 Palace Drive
Cincinnati, OH 45249

PHONE:
513-791-3338

FAX:
513-794-7799

E-MAIL:
psiwater@psiwater.com



We're on the Web!
See us at:
www.psiwater.com