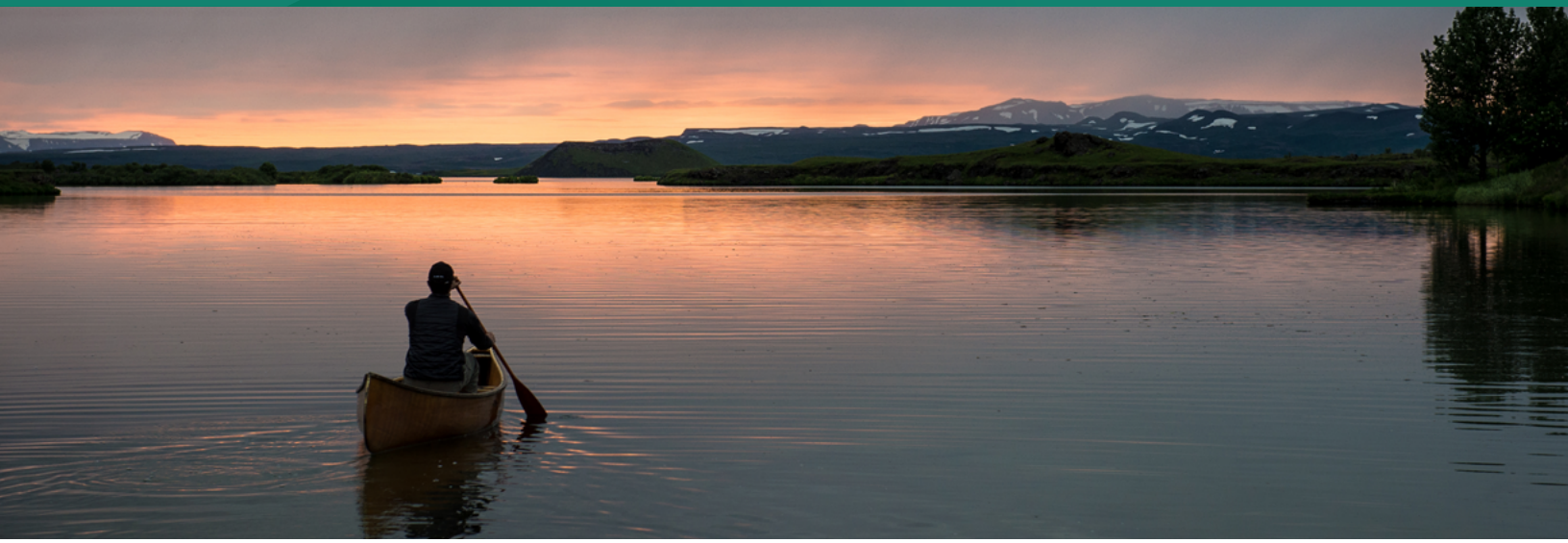
Reference List

FilmTec™ SW30XFR-400/34 & SW30XFR-400/34i Seawater Reverse Osmosis Elements



DuPont Water Solutions offers various premium Seawater Reverse Osmosis (RO) Elements designed to improve system uptime and plant reliability which ultimately translate to lower Total Cost of Ownership (TCO). FILMTEC™ Elements combine premium membrane performance with automated precision fabrication, which takes system performance to exceptional levels.

FILMTEC™ SW30XFR–400/34 Elements are designed specifically to handle biofouling in seawater desalination plants. Elements are equipped with advanced fouling-resistant and cleanability features, helping plants reduce the number of chemical cleanings, while maintaining high rejection and low energy.

Benefits of the FILMTEC™ SW30XFR–400/34 Elements include:

- Fouling-resistant design, reducing the number of chemical cleanings by more than 33%.‡
- Durable membrane chemistry, maintaining stable and high rejection despite repeated chemical cleanings.
- Low element differential pressure, improving system hydraulic balance (Figure 2).
- More effective and efficient cleaning of biofilm, organic compounds and scale, achieved through the widest pH range in cleaning (pH 1 – 13), made possible by the most advanced FILMTEC™ RO membrane sheet available today.

Figure 1: Salt Passage Increase versus number of CIP for SW30XFR–400/34 and Membrane A

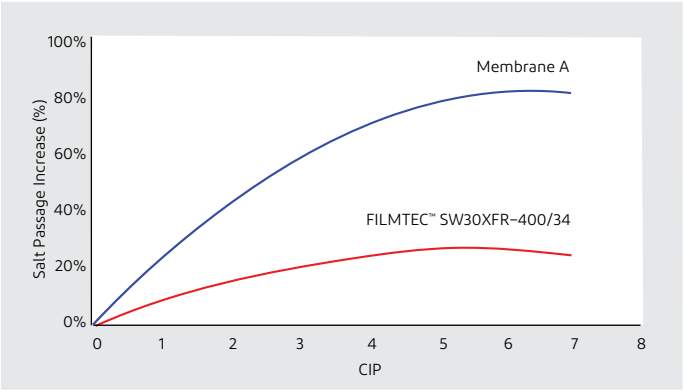
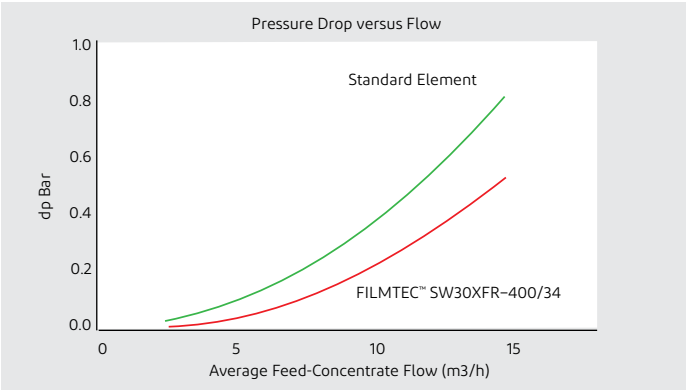


Figure 2: Element differential pressure versus flowrate for SW30XFR–400/34 and Standard Element



‡ Relative to a leading fouling-resistant product currently available in the market.

FilmTec™ SW30XFR-400/34 & SW30XFR-400/34i Reverse Osmosis List

Country	Capacity (m^3/d)	Product	Installation Year
China	8,000	SW30XFR-400/34	2020
China	7,000	SW30XFR-400/34	2020
Cyprus	60,000	SW30XFR-400/34	2020
Indonesia	3,000	SW30XFR-400/34	2020
Singapore	8,000	SW30XFR-400/34	2020
UAE	33,000	SW30XFR-400/34i	2020
USA	9,000	SW30XFR-400/34	2020

FilmTec™ RO and NF technologies are trusted with helping to deliver clean water and liquid streams for people and markets around the world.

For more information visit: **https://www.dupont.com/water.html**

Have a question? Contact us at: dupont.com/water/contact-us

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