



Contact: Serenity Gardner
Global Manager, Marketing Communications
Hydranautics
401 Jones Road
Oceanside, CA 92054
Phone: 760-901-2500
Fax: 760-901-2578
E-Mail: sgardner@hydranautics.com

FOR IMMEDIATE RELEASE:
PRESS RELEASE

Hydranautics Announces The New CPA3-LD - Low Fouling *And* High Flow.

Low differential pressure element meets the challenge of high purity industries with high fouling feed water.

Oceanside, CA... Hydranautics/Nitto Denko, the global leader in membrane technology, announces their new Composite Polyamide CPA3-LD (Low Differential pressure) spiral wound reverse osmosis element. Industries requiring high purity water, particularly those in developing countries with limited access to municipally treated feedwater, reap the benefits of this hard to foul yet high performing element.

The unique CPA3-LD has a 31 mil brine spacer – low fouling and easy to clean and maintain. This thicker spacer lowers the Delta P, making it a perfect fit for scenarios that demand a lower fouling /low maintenance membrane while maintaining high permeate flow. The 31 mil spacer also enhances the flux distribution in the RO system; efficiency is heightened because there is less flux loss in the pressure vessel from membrane to membrane. Hydranautics' innovative CPA3-LD provides 11,000 gallons per day (41.6 m3/d) of flow at 99.7% nominal salt rejection.

In the past, membrane area typically had to be sacrificed when using a thicker brine spacer. Now, with Hydranautics' automated manufacturing technology, we can maintain the CPA3-LD's 400 ft2 (37.16 m2) area and performance (11,000 gpd) *and* still use the thicker 31 mil spacer. CPA3-LD membrane elements are available in an 8-inch diameter/40-inch long configuration and can be used as either a stand alone product or part of their Integrated Membrane Solution® (IMS).

Hydranautics' new CPA3-LD is part of a comprehensive line of membranes with a global installed capacity producing more than 850 MGD (>3,215,000 m3/day) of clean water with unparalleled operational success. This experience, combined with the best membrane performance in the industry, demonstrates Hydranautics' position as the technology leader and as the preferred qualified supplier of spiral wound reverse osmosis elements around the world.

Based in Oceanside, California with sales offices throughout the globe, Hydranautics was founded in 1963 and in 1987 became part of the multi-billion dollar Nitto Denko Corporation based in Osaka, Japan. Hydranautics manufactures reverse osmosis, nanofiltration and ultrafiltration membrane products for water treatment applications around the world.

For more information on how Hydranautics can solve your most demanding water problems call today for more information at 1-800-CPA-PURE/760-901-2500 or visit Hydranautics online at www.membranes.com.