

## PRESS RELEASE – FOR IMMEDIATE RELEASE

### Hydranautics rolls out two new membrane elements, High flow and high salt rejection brackish water membranes

Hydranautics, the global leader in membrane technology, rolls out two new spiral wound reverse osmosis membranes for difficult industrial applications and demanding municipal water and re-use applications, thereby providing solutions to our customers' most demanding water treatment needs.

Hydranautics CPA7-LD, the sixth generation membrane, offers 99.8% salt rejection and 11,500 gpd permeate flow, both higher than the predecessor. This unique membrane is designed to produce the lowest permeate TDS make-up water for power stations, semiconductor and pharmaceutical industries. It is also ideal for treating high TDS brackish water sources.

Hydranautics ESPA2-LD MAX offers 440 ft<sup>2</sup> membrane area, while utilizing a 34 mil thick feed spacer; the first of its kind in the industry. Historically, membranes having 34 mil spacer are offered only with 400 ft<sup>2</sup> membrane area.

ESPA2-LD MAX, with 10% increased area, offers two great benefits. New projects can achieve savings in CAPEX due to a reduced number of membrane elements; alternatively, customers can design with the same number of elements as a conventional design, thereby reducing feed pressure and reducing energy consumption. For existing projects, simply replacing standard 400 ft<sup>2</sup> membranes with ESPA2-LD MAX can increase plant capacity by 10%.

Both membranes offer enhanced chemical resistance, innovative spacer design and anti-fouling technology – the hallmarks of the Hydranautics LD Technology®. They are used in the treatment of difficult feed waters for numerous municipal and industrial applications, which up to now required significant feed water pretreatment.

For more information on IMSDesign-2016 and other programs please call 1-800-CPA-PURE, visit [membranes.com](http://membranes.com) or send an e-mail to [info@hydranautics.com](mailto:info@hydranautics.com)

#### ABOUT HYDRANAUTICS

Hydranautics is a part of the Nitto Group and one of the global leaders in the field of Integrated Membrane Solutions. Hydranautics offers complete membrane solutions like Reverse Osmosis, Nanofiltration, Ultrafiltration, and Microfiltration for Water, Wastewater and Process treatment and applications. Hydranautics membrane based solutions are currently in use on seven continents throughout the world for diverse applications such as Seawater Desalination, Industrial High-Purity Water, Surface Water Treatment, Waste Water Treatment, Specialty Process Applications etc. Our Global Membrane Division is headquartered in Oceanside, CA, USA and we have 3 state-of-the-art manufacturing sites located in Oceanside – USA, Shiga – Japan and Shanghai – China. For further information on Hydranautics kindly visit our website [membranes.com](http://membranes.com)

#### ABOUT NITTO

Nitto is Japan's leading diversified materials manufacturer. Founded in 1918, Nitto's strength is the ability to add diverse functionality to sheets, films and other materials using core technologies such as polymer synthesis, adhesion and coating technologies. The group offers over 13,000 high value specialty products worldwide including optical films for liquid crystal displays, automotive materials, reverse osmosis membranes for desalination and transdermal drug delivery patches. For further information on Nitto kindly visit our website [nitto.com](http://nitto.com)

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