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HYDRANAUTICS

PRESS RELEASE – FOR IMMEDIATE RELEASE

Remove PFAS from Drinking Water with Hydranautics RO & NF Membranes

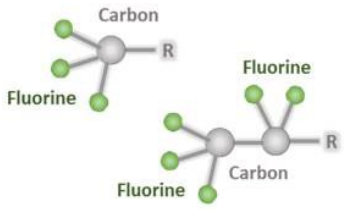
Hydranautics has begun testing the rejection capability of our RO and NF product families for various PFAS compounds when treating diverse feed water sources. Preliminary results suggest the following ranges for different PFAS rejections by membrane type:

Nanofiltration:	71% to > 99% rejection
Brackish Pressure RO	82% to > 99% rejection
High Pressure RO	82% to > 99% rejection

Where in these ranges a system's true PFAS rejection is, it has been observed to be influenced by a variety of factors.

What is PFAS?

Poly and Per Fluro Alklyl Substances (PFAS) is a classification of synthetic chemicals with multiple carbon-fluorine bonds (—CnF2n+1) and are present in a wide array of consumer and industrial products. Due to the strength of carbon-fluorine bonds, PFAS compounds are not readily degraded by natural processes and have a concerning tendency to bioaccumulate in animals, humans, bodies of water, soil, and even in the air. Studies have found continued exposure to high levels of PFAS is at risk of adverse health impacts, with the relatively most of the well-studied individual PFAS compounds considered moderately toxic to highly toxic.



Guidelines to remove PFAS from Drinking Water

The US EPA has proposed National Primary Drinking Water Regulation for six PFAS compounds: PFOA, PFOS, PFNA, PFHxS, PFBS, and HFPO-DA (aka GenX). The EPA anticipates finalizing the regulation limits for these compounds by the end of 2023. As in-line monitoring technology for PFAS compounds is not yet available, RO and NF membrane filtration is one of the few technologies that provide an in-exhaustible and stable solution to remove PFAS in drinking water applications.

Read more about Hydranautics' preliminary findings:

https://membranes.com/wp-content/uploads/Documents/Technical-Papers/Application/Mini/Well_Water_30199836_021423124413_THU06-02_Bates_Manuscript.pdf

For more information about our products or any other business inquiries, write to us at hy-marketing@nitto.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, Wastewater 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 www.membranes.com

ABOUT NITTO

Nitto is Japan's leading diversified materials manufacturer. Based on four core technologies: adhesion, coating, polymer function control, and polymer analysis & evaluation, Nitto provides customers with various products such as polarizing films for displays, industrial adhesive tapes, reverse osmosis membranes for desalination and transdermal drug delivery patches. Under the brand slogan of "Innovation for Customers", Nitto is contributing to a better life by solving social issues and improving corporate value. For further information on Nitto please visit www.nitto.com

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