MaxRO Maximized Performance for the Most Challenging Applications

NANOH2O

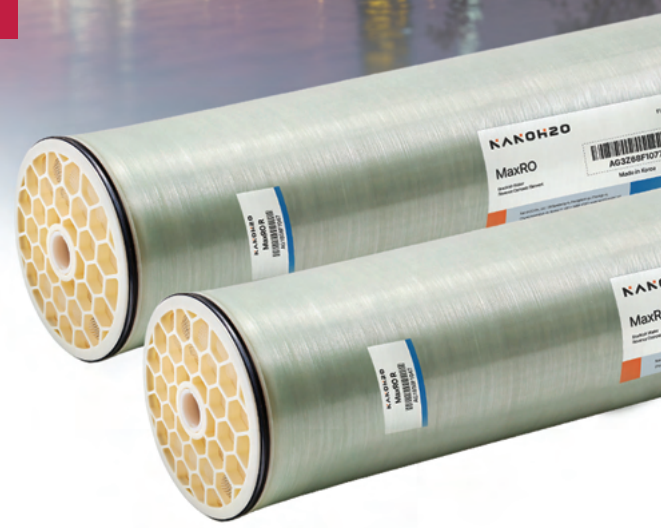
MaxRO R

Engineered to Defeat Fouling, Delivering Maximum Rejection

MaxRO is a premium suite of RO membranes engineered with NanoH2O's advanced membrane and fabrication technologies. MaxRO R, the highest rejection BWRO, features an innovative 36 mil ultra-low dP feed spacer that optimizes flow across the membrane surface. This enables superior water quality while significantly reducing differential pressure and fouling potential.

Designed for the most demanding applications, MaxRO R delivers high salt rejection, exceptional durability, and strong fouling resistance. It helps reduce cleaning frequency, chemical consumption, membrane replacement, and overall operating costs.

Maximize plant uptime with MaxRO R.



Membrane
Highest Rejection BWRO

Feed Spacer
36 mil Ultra-low dP (ULD)

Performance Specifications

Permeate Flow Rate	Stabilized Salt Rejection	Active Membrane Area
11,500 GPD (43.5 m³/d)	99.8 %	400 ft² (37 m²)

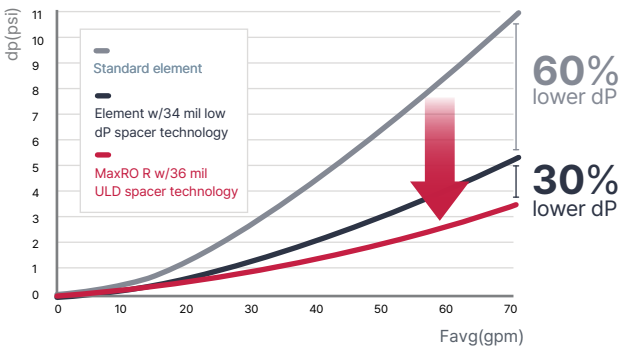
Performance specifications based on the following test conditions: 2,000 ppm NaCl, 225 psi (15.5 bar) feed pressure, 15% recovery, pH 7

Innovative 36 mil ULD Spacer Technology

Thickness of Feed Spacer	+	Structure of Feed Spacer	+	Thickness of Strand
INCREASED		IMPROVED		OPTIMIZED

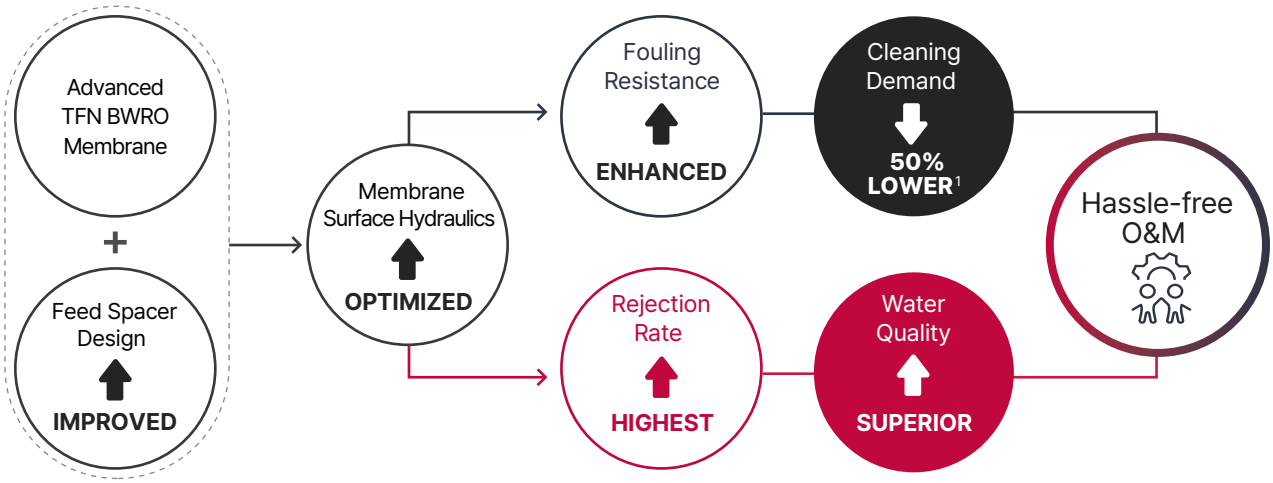
MaxRO R incorporates the industry's first 36 mil ultra-low dP spacer technology. The enhancements to the feed spacer optimize membrane surface hydraulics, resulting in **significantly lower pressure drop** (as shown in Graph A) and **excellent antifouling properties.**

Graph A: Differential Pressure Comparison Test



Value Proposition of MaxRO R

NanoH2O™ brackish water RO membranes, incorporating the innovative ultra-low dP spacer technology, optimize membrane surface hydraulics, resulting in:



1) Based on annual clean-in-place (CIP) frequency and observed pressure increase rate observed during a field test at an industrial BWRO site. Assuming CIP is performed once each time when the pressure increases by 3 bars.

What is MaxRO?

MaxRO is a suite of membrane products engineered with the quintessence of NanoH2O's best RO membrane and innovative module fabrication technologies

Best RO Membrane Technology + Innovative Module Fabrication Technology = MaxRO

Maximized Performance for the Most Challenging Applications

Maximize Plant Uptime

Discover the full-line of high-performance RO membrane technologies by NanoH2O that reduce the total cost of plant ownership and maximizes plant uptime.

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