NF7

More Water. Precision Separation.

NanoH2O™ NF7 gives you more water for less energy. Its best-in-class productivity means higher permeate output at the same feed pressure, cutting the energy cost that dominates nanofiltration O&M.

Precision separation keeps water quality where you need it — strong hardness and multivalent-ion removal, excellent organics and PFAS control.

A low-differential-pressure design reduces fouling, so clients clean less often and membranes last longer.

The result is simple: more water, better quality, easier operation, and a lower total cost of ownership.
Easy to deploy in both new plants and existing-plant retrofits, NF7 delivers the optimal solution for improving water treatment efficiency with precision separation that serves various client needs.

Best-in-class Productivity for Energy Savings

Precision Separation for Customized Water Solutions

Excellent Fouling Resistance for Reliable Operation

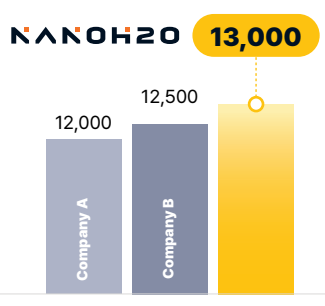
Performance Specifications

Model	Permeate Flow rate GPD(m^3/d)	Minimum Salt Rejection %	Active Membrane Area ft^2(m^2)	Feed Spacer
NF7	13,000 (49.2)	98.0	400 (37)	34 mil, low dP
NF7+	14,300 (54.1)	98.0	440 (41)	28 mil, low dP

The specifications outlined above are normalized performances based on the following test conditions :
2,000 ppm $MgSO_4$, 70 psi (4.8 bar), 25 °C (77°F), pH 7, Recovery 15%

Best-in-class Productivity

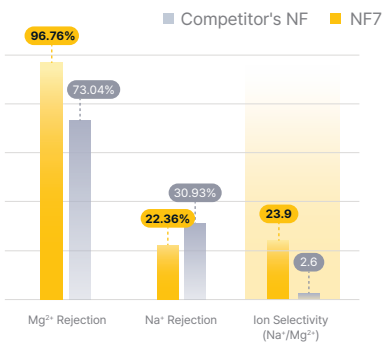
Permeate Flow rate Comparison (Unit: GPD)



* Membrane Active Area: 400 ft^2,
* Test Conditions: 2,000 ppm $MgSO_4$, 70-75 psi, 15% recovery, pH 7, 25 °C
* Permeate flow data are based on manufacturer's published specifications under respective standard test conditions.

Precision Separation

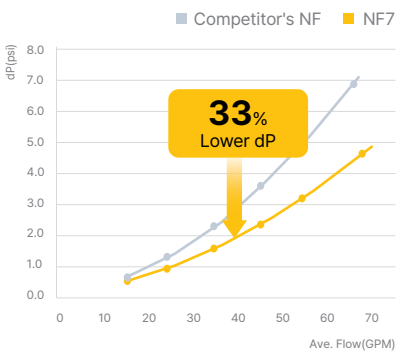
Advanced Monovalent/Divalent Ion Selectivity



* Membrane Active Area: 400 ft^2,
* Test Conditions: NaCl 1,000 ppm + 1,000 ppm $MgSO_4$, 70 psi
* Source: In-house Test Data

Excellent Fouling Resistance

Differential Pressure Comparison

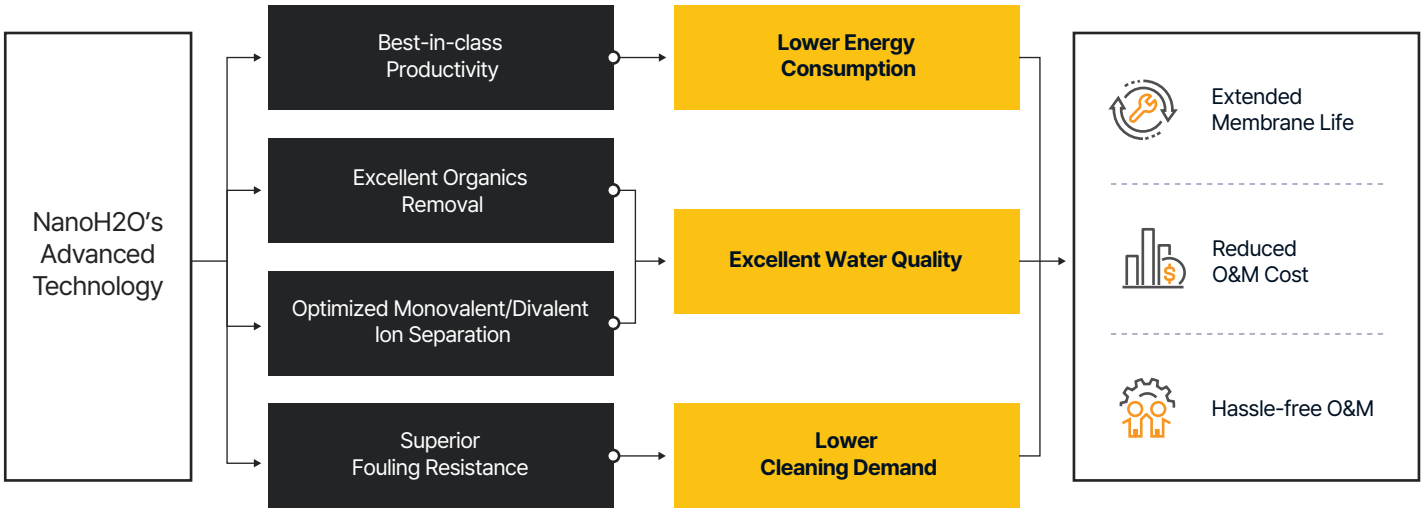


* 33% lower dP refers to the difference in pressure drop (dP) between NF7 and a competing NF product at the average flow rate of 44 gpm.
* Source: In-house Test Data

NF7 Value Proposition

More Water. Precision Separation.

NF7 delivers industry-leading productivity while maintaining strong water quality and separation performance, enabling more water production, lower operating costs, and reliable long-term operation.



Why Choose NanoH2O™ NF7?

New Benchmark for Next-generation NF

MORE WATER

Best-in-class Productivity

13% *

Higher Flow, Resulting in Reduced Energy Consumption

PRECISION SEPARATION

Excellent Water Quality & Separation Performance

10%pt *

Higher Hardness Rejection, Delivering Better Water Quality

LOWER FOULING

Easy O&M

33% *

Lower Differential Pressure, Enabling Less Cleaning and Longer Membrane Life

* Source: Field Test & Internal Test (NF7 vs. Competitor's NF)

Follow us on our channels.

www.nanoh2owater.com