



NF7

New Benchmark for Next-generation NF
Best-in-class Productivity and Superior Organics and Hardness Removal

Key Features

- Industry-leading productivity with high permeate flow
- Superior hardness and multivalent ion rejection
- Excellent removal of PFAS, THM precursors, and NOM
- Enhanced monovalent-divalent ion selectivity
- Low differential pressure for improved fouling resistance

Main Benefits

- Reduced energy consumption through higher productivity
- High water quality with effective hardness and organic removal
- Optimized salt passage for balanced treatment performance
- Longer cleaning intervals and more stable operation
- Lower total cost of ownership

Ideal Applications

- Municipal drinking water treatment
- Groundwater softening
- Industrial water reuse
- RO pretreatment for scaling control
- PFAS and micropollutant reduction



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This product is certified to
NSF/ANSI/CAN Standard 61
for drinking water systems

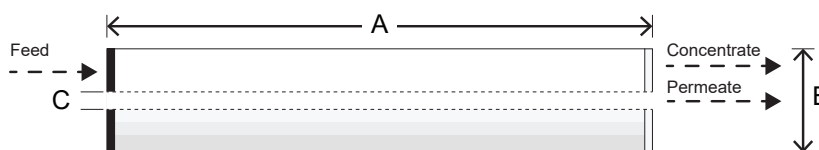
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Performance Specifications

Item	Unit	Value
Permeate Flow Rate	GPD (m ³ /d)	13,000 (49.2)
Minimum Salt Rejection	%	98.0
Active Membrane Area	ft ² (m ²)	400 (37)
Feed Spacer Thickness, Type	mil	34, low dP

- The specifications outlined above are based on the following test conditions:
- **Test Conditions:** 2,000 ppm MgSO₄, 70 psi (4.8 bar), 25°C (77°F), pH 7, Recovery 15%
- Permeate flow rates for individual elements may vary -15%

Dimensions and Weight



Dimensions: mm (in)			Wet Weight: kg (lbs)
A	B	C	16 (35)
Element Length	Element O.D.	Core Tube I.D.	
1,016 (40)	200 (7.9)	28.6 (1.125)	

All dimensional information is indicative and for reference only. Please contact NanoH2O for detailed technical specifications.

Operating Specifications

Specification	Unit	Value
Maximum Applied Pressure	psi (bar)	600 (41.3)
Maximum Chlorine Concentration	ppm	< 0.1
Maximum Operating Temperature	°C (°F)	45 (113)
pH Range, Continuous Operation		3-10
pH Range, Cleaning		1-12
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI ₁₅		5.0
Maximum Feed Flow	gpm (m ³ /h)	75 (17)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

These operating specifications are for general use. For specific applications, operation at more conservative values may ensure better performance and extended membrane life. See NanoH2O Technical Bulletins for more details.

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