LG Water Solutions

ATS WATER TECHNOLOGY LG Chem

Nano H2O™

Key Features

- High rejection of salts and organic compounds such as natural organics, THM and long-chain PFAS
- Excellent fouling resistance
- Excellent durability

Main Benefits

- Great permeate water quality with low energy consumption
- Reduced cleaning frequency, chemical use, and membrane replacements

Ideal Applications

- Municipal drinking water
- Industrial water treatment
- Water reuse

Product Data Sheet

LG NF9

High rejection nanofiltration membrane

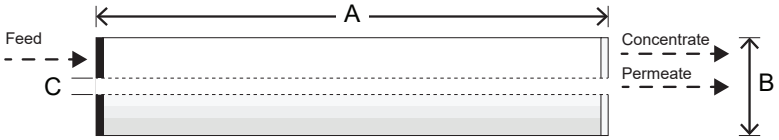
Performance Specifications

Specification	Unit	Value
Permeate Flow Rate	GPD (m³/d)	10,000 (37.9)
Minimum Salt Rejection	%	98.7
Active Membrane Area	ft² (m²)	400 (37)
Feed Spacer Thickness, Type	mil	34, low dP

The specifications outlined above are normalized performances based on the following test conditions:

- **Test condition:** 2,000 ppm $MgSO_4$, 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	
Element Length	Element O.D.	Core Tube I.D.	16 (35)
1,016 (40)	200 (7.9)	28.6 (1.125)	

All dimensional information is indicative and for reference only. Please contact LG Water Solutions 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		2–11
pH Range, Cleaning		1–13*
Maximum Feed Water Turbidity	NTU	1.0
Maximum Feed Water SDI_{15}		5.0
Maximum Feed Flow	gpm (m³/h)	75 (17)
Maximum Pressure Drop (ΔP) for Each Element	psi (bar)	15 (1.0)

*If cleaning is required outside of the recommended pH range (2–12), for example at pH 1 or 13, please contact the LG Chem Tech Service team for consultation prior to the cleaning.

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

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