

LG NF9

Upgrade with Confidence, Switch to the BEST

LG NF9 is a high-rejection nanofiltration membrane designed for municipal and industrial applications requiring selective contaminant removal with low energy consumption. It offers excellent removal of organics and emerging contaminants such as PFAS and THMs, while maintaining strong fouling resistance and long-term durability.

With ultra-low pressure operation and high productivity, LG NF9 helps reduce energy use, cleaning frequency, and chemical consumption—leading to lower operational costs and easier maintenance.

Easily retrofittable into existing NF systems, LG NF9 is the smart choice for utilities and industries seeking reliable, high-efficiency water treatment.



Core Features



**Excellent Removal
of Contaminants**



**Reduced Power
Consumption
& Energy Savings**



**Excellent Fouling
Resistance**

Performance Specifications



Permeate Flow Rate
10,000 GPD (37.9 m³/d)



Minimum Salt Rejection
98.7%



Active Membrane Area
400 ft² (37 m²)

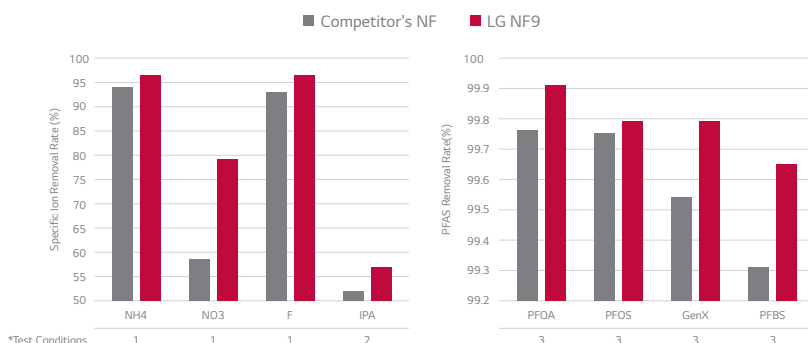
The specifications outlined above are normalized performances based on the following test conditions
: 2,000 ppm MgSO₄, 70 psi (4.8 bar), 25°C (77°F), pH 7, Recovery 15%



[Click to download the product datasheet for LG NF9](#)

Comparison Test Data

**Graph A
Specific Ion Removal**



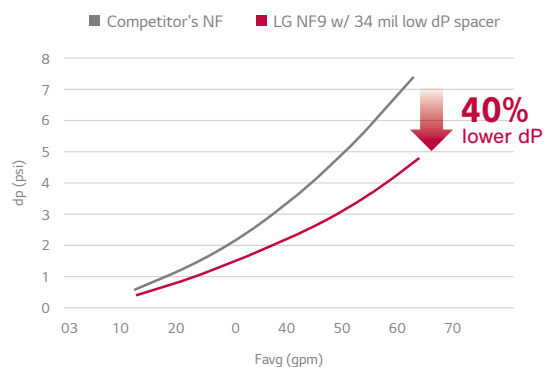
*Test Conditions

*Test Conditions 1: 500 ppm MgSO₄, 70 psi at 25°C, pH 7

*Test Conditions 2: 500 ppm MgSO₄+20 ppm IPA, 70 psi at 25°C, pH 7

*Test Conditions 3: 500 ppm NaCl, Each 10 ppb PFAS (Total 6 types) 70 psi at 25°C, pH 7

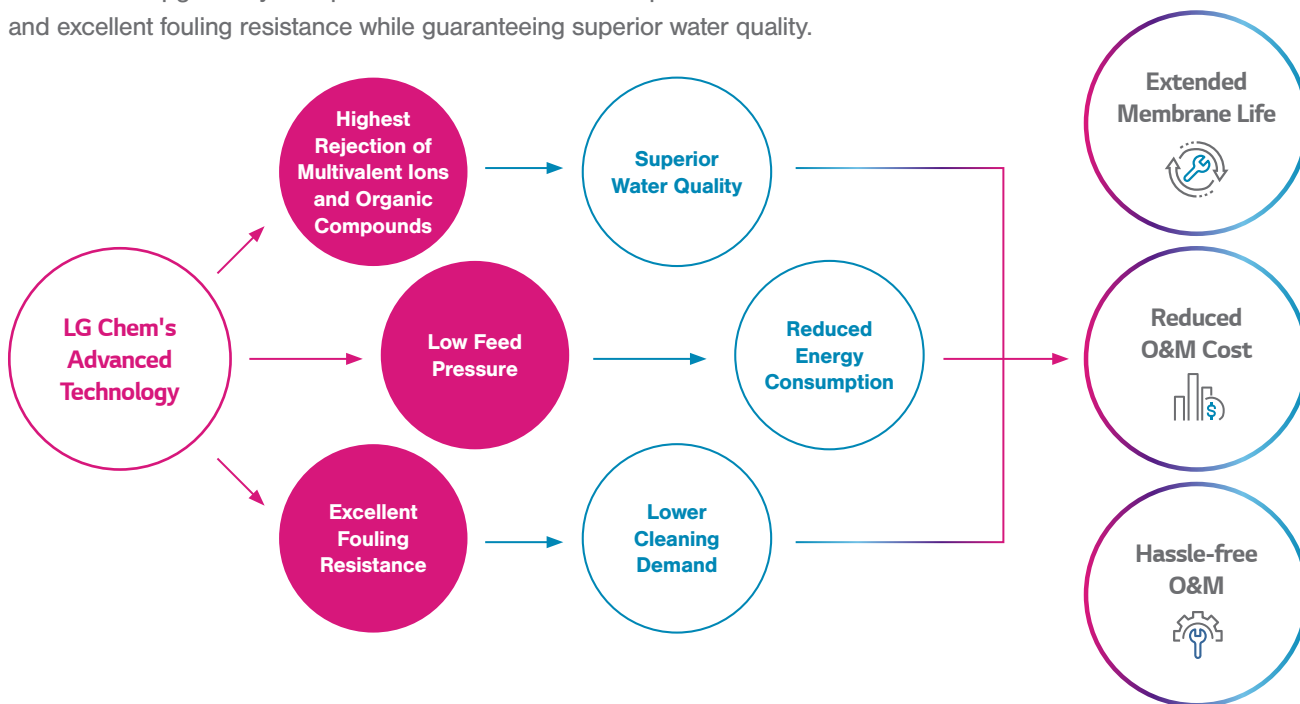
**Graph B
Differential Pressure Comparison Test**



LG NF9 Value Proposition

Upgrade with Confidence, Filter with Excellence!

LG NF9 can upgrade system performance with lower feed pressure and excellent fouling resistance while guaranteeing superior water quality.



What is LG NF9?

Unrivalled Performance, Proven Results



**HIGHEST REJECTION
OF MULTIVALENT IONS
AND CONTAMINANTS**

99%

Highest Rejection of
Multivalent Ions



**CONSISTENT AND
RELIABLE PERFORMANCE
OVER TIME**

40%

Significantly Lower
Differential Pressure



**EXCEPTIONAL
ENERGY EFFICIENCY**

23%

Significantly Lower
Power Consumption

www.lgwatersolutions.com

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