

Nanofiltration Membrane Elements: NF5 & NF9

PERFORMANCE SPECIFICATIONS

Model No.	Permeate Flow Rate		Size (Dia."× Length")	Average Salt Rejection (%)	Average Hardness Rejection (%)
	gpd	lpd			
M-N1812A5	36	136	1.75 × 12	50	97 +
M-N2514A5	175	662	2.5 × 14	50	97 +
M-N2521A5	250	946	2.5 × 21	50	97 +
M-N2540A5	600	2271	2.5 × 40	50	97 +
M-N4014A5	450	1703	4.0 × 14	50	97 +
M-N4021A5	800	3028	4.0 × 21	50	97 +
M-N4040A5	2000	7570	4.0 × 40	50	97 +
M-N4040A5D*	2000	7570	4.0 × 40	50	97 +
M-N1812A9	36	136	1.75 × 12	90	97 +
M-N2514A9	175	662	2.5 × 14	90	97 +
M-N2521A9	250	946	2.5 × 21	90	97 +
M-N2540A9	600	2271	2.5 × 40	90	97 +
M-N4014A9	450	1703	4.0 × 14	90	97 +
M-N4021A9	800	3028	4.0 × 21	90	97 +
M-N4040A9	2000	7570	4.0 × 40	90	97 +
M-N4040A9D*	2000	7570	4.0 × 40	90	97 +

Note: Also available in FRP wrap (M-NB-) * D= Flush Style. Replaces Desal 5. 30 mil spacer standard. For 43 mil spacer, add -43 at the end of the model number. Example: M-N2540A5-43.

Note: Performance specifications based on 2000 mg/l magnesium sulfate, 150 psi (1 MPa) applied pressure, 77°F (25°C) feed water temperature and 15% recovery. Element permeate flow may vary ± 20%. Permeate flow rates for feed streams other than water will vary.

RECOMMENDED OPERATING CONDITIONS

◆ Maximum Operating Pressure	300 psig (2.1MPa)	◆ Maximum Feed Flow Rate	
◆ Maximum Operating Temperature	113°F (45°C)	○ 1.8" Dia. Elements	
◆ Maximum Feed water Turbidity	1 NTU	○ 2.5" Dia. Elements	6 gpm
◆ Maximum Feed water SDI (15 min)	4	○ 4" Dia. Elements	17 gpm
◆ Chlorine Tolerance (A3)	Up to 1	◆ Feed water pH Range (A3)	4-11
◆ Chlorine Tolerance (A9)	< 0.1	◆ Feed water pH Range (A9)	3-10
◆ Maximum Pressure Drop:	13 psig (0.9 bar)		



Model No.	L		I		D	
	inches	centimeters	inches	centimeters	inches	centimeters
M-N1812A5, A9	11.75	29.8	10.0	25.4	1.75	4.4
M-N2514A5, A9	14	35.6	11.62	30	2.5	6.4
M-N2521A5, A9	21	53.3	19	48	2.5	6.4
M-N2540A5, A9	40	101.6	38	96	2.5	6.4
M-N4014A5, A9	14	35.6	12	30	3.9	9.9
M-N4021A5, A9	21	53.3	19	48	3.9	9.9
M-N4040A5, A9	40	101.6	38	96	3.9	9.9
M-N4040A5D, A9D	40	101.6	38	96	3.9	9.9