



Description

Puran nano-filtration membrane elements have relatively acute molecular weight cut off that makes high performance in mineral drinking water production, color removing, salt concentration and special elements separation and concentration. They are widely used in Pharmaceutical, Biological, Food and Dairy applications.

Technical Parameters

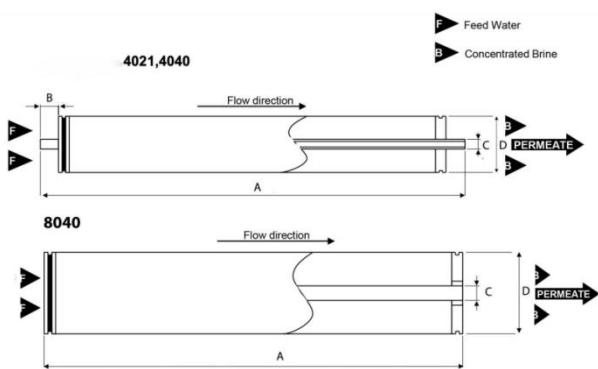
Model	Diameter inch	Membrane Area ft ² (m ²)	Salt Rejection Rate %		Product Flow Rate gpd (m ³ /d)	Working Pressure Psi(bar)	Application
			NaCl	MgSO ₄			
PN4021NF-80	4"	34(3.2)	75-85	96	1000(3.7)	110(7.5)	Mineral drinking water
PN4040NF-80	4"	85(7.9)	75-85	96	2500(9.3)		
PN8040NF-80	8"	400(37)	75-85	96	12000(45)		
PN4021NF-40	4"	34(3.2)	50-60	96	960(3.6)	72(5)	ATD: ABS Outer wrap: FRP App: Color removing
PN4040NF-40	4"	85(7.9)	50-60	96	2400(9.2)		
PN8040NF-40	8"	400(37)	50-60	96	12000(45)		
PN4021NF-70	4"	34(3.2)	70-80	98.5	760(2.9)	110(7.5)	ATD: ABS Outer wrap: FRP App: Separate salts
PN4040NF-70	4"	85(7.9)	70-80	98.5	1900(7.4)		
PN8040NF-70	8"	400(37)	70-80	98.5	9500(36)		
PN4021NF-200	4"	34(3.2)	85-95	96	760(2.9)	110(7.5)	ATD: PS Outer wrap: Cage App: Food, Pharmaceutical industries
PN4040NF-200	4"	85(7.9)	85-95	96	1900(7.4)		
PN8040NF-200	8"	400(37)	85-95	96	9500(36)		

* The feed spacer thickness is optional of **31mil, 34mil, 46mil, 65mil and 80mil**. Membrane module sufficient area and product flow rate will be decreased accordingly.

Type	Configuration	Spiral wound
	Membrane material	Composite Polyamide
Test Condition	Feed water pressure	800psi (5.52MPa)
	Feed water temperature	77°F (25°C)
	Feed water concentration	32,000 mg/l NaCl
	Recovery rate	8%
	Feed water pH	8
Application limits	Maximum chlorine concentration	0.1ppm
	Maximum operating temperature	113 °F (45°C)
	Feed water pH range continuous working	2.0 - 10.0
	Maximum feed water turbidity	1.0 NTU
	Maximum feed water SDI (15mins)	5.0
	Maximum pressure drop for each element	13psi(0.09MPa)

* The limitations shown here are for general use. Operating at more conservative values for specific projects may ensure the best performance and longest life of the membrane.

Dimensions



Unit: inch(mm)

Size	A	B	C	D
4021	21 (533.4)	1.05 (27)	0.75 (19)	4 (101)
4040	40 (1016)	1.05 (27)	0.75 (19)	4 (101)
8040	40 (1016)	-	1.125 (29)	8 (201)