

NANO FILTRATION (NF) ELEMENT



Nano Filtration Membrane Series

Nano Filtration Membrane Is A Special And Functional Semi-permeable Membrane Which Selectively Allows Certain Lmw And Low-valention To Pass Through .its Desalination Rate Is Between 40-98%.it Can Block The Organic In The Range Of 150-500 Lmw, And It Performs Better In Desalinating Single Valence Anions Solution. Now Days, Nano Membranes Have Been Widely Used In Many Fields, Including Drinking Water, Food Processing, Pharmaceuticals And Biology Industry.

Membrane Type Thin- film Composite, Spiral- Wound, FRP Wrapping

Model	Solution	Stable Rejection	Average Permeated Flow(GPD)	Active Membrane Area ft ² (M ²)
NF70-8040	NaCl	40~70	10000	398 (37)
	MgSO ₄	>98		
NF70-4040	NaCl	40~70	2500	81 (7.5)
	MgSO ₄	>98		
NF70-4021	NaCl	40~70	1000	36 (3.3)
	MgSO ₄	>98		
NF90-8040	NaCl	85~95	8500	398 (37)
	MgSO ₄	>98		
NF90-4040	NaCl	85~95	2000	81 (7.5)
	MgSO ₄	>98		
NF90-4021	NaCl	85~95	800	36 (3.3)
	MgSO ₄	>98		

Testing Conditions:

Testing Pressure	110psi (0.76MPa)
Temperature of Testing Solution	25c
Concentration of Testing Solution (nacl)	2000PPM
Concentration of Testing Solution(Mgso4)	2000PPM
pH value of Testing Solution	7.5
Recovery Rate	15%

Operation Limits and Conditions:

Max. Working Pressure	600psi(4.1Mpa)
	75gpm(8040)
Max. Working Feedwater flow	16gpm(4040/4021)
Max. Feedwater Temperature	45c
Max. Pressure Decline	15psi(0.1MPa)
Residual Chlorine	<0.1ppm
pH Range of Feedwater	3.0-10.0