

FFM-N8040G-300

Low operating pressure, highly selective retention of nanofiltration membrane

PRODUCT	Membrane Chemistry:	Special polyamide composite Membrane
DESCRIPTION	Membrane type:	Selective retention of nanofiltration membrane
	structure:	Coil type sanitary grade belt grid / FRP
	Choice scope: Diameter:	inlet passage: 28mil (0.7mm) 、 31mil (0.8mm) 、 或 46mil (1.2mm)
	Application:	Separation of high molecular weight components (> 300 daltons) and multivalent ions from various liquids

Specification Parameter

Water yield (gpd, m ³ /d)			MgSO ₄	Membrane Area	inlet passage
Nominal	Maximum	Minimum	Removal rate	ft ² (m ²)	mil (mm)
6200 (23.5)	7450 (28.2)	5250 (19.9)	>99.0	400 (37.1)	28 (0.7)
5275 (20.0)	6350 (24.0)	4500 (17.0)	>99.0	330 (30.7)	31 (0.8)
4500 (17.0)	5400 (20.4)	3800 (14.4)	>99.0	260 (24.1)	46 (1.2)

Test conditions: 5000 mg / L MgSO₄, demineralized water, test pressure 95 psi (655kpa), recovery rate 15%, 77 ° f (25 ° C), ph7.5

OPERATION PARAMETERS

Recommended operating pressure:	200-600 psi (13.8-41.4bar)
Maximum operating pressure:	600psi (41.4bar)
Maximum operating temperature:	122° F (50°C)
Maximum cleaning temperature:	113° F (45°C)
Maximum continuous residual chlorine:	<0.1mg/l
PH range of continuous operation:	4.0-10.0 (25°C)
PH range of online cleaning:	1.7-11.5 (25°C)
Design pressure drop of single membrane element:	10 psi (0.7 bar)
Design pressure drop of single pressure vessel:	60 psi (4.2 bar)
Maximum inflow turbidity:	1NTU
Maximum influent SDI (test for 15 minutes):	5

