

## FFM-N2540GB-500

sanitary nanofiltration membrane

<b>PRODUCT</b>	Membrane Chemistry:	Special polyamide composite Membrane
<b>DESCRIPTION</b>	Nominal retention accuracy:	500 Dalton
	structure:	Coil type sanitary grade belt grid / FRP
	Choice scope: Diameter:	2.5", 3.8" and 8"; inlet passage: (31mil), (46mil)
	Application:	Separation and desalination of protein and sugar

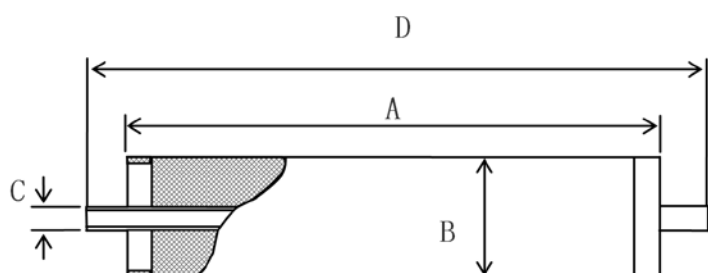
### Specification Parameter

Water yield (gpd, m <sup>3</sup> /d)			MgSO <sub>4</sub>	Membrane Area	inlet passage
Nominal	Maximum	Minimum	Removal rate	ft <sup>2</sup> (m <sup>2</sup> )	mil (mm)
700 (2.6)	900(3.4)	500 (1.9)	>99.0	34 (3.1)	31 (0.8)
500 (1.9)	700 (2.6)	300 (1.1)	>99.0	23 (2.1)	46 (1.1)

Test conditions: 5000 mg / L MgSO<sub>4</sub>, demineralized water, test pressure 95 psi (655kpa), recovery rate 15%, 77 ° f (25 ° C), ph7.5

### OPERATION PARAMETERS

Recommended operating pressure:	200-450 psi (13.8-31bar)
Maximum operating pressure:	650psi (44.8bar)
Operating temperature range:	40-122° F (5-50°C)
Cleaning temperature range:	95-122° F (35-50°C)
PH range of continuous operation:	4.0-10.0 (25°C)
PH range of online cleaning:	1.8-11.0 (25°C)
Design pressure drop of single membrane element:	6-10 psi (0.4-0.7 bar)
Design pressure drop of single pressure vessel (5 in series):	6-10 psi (0.4-0.7 bar)



A	B	C	D
inch (mm)	inch (mm)	inch (mm)	inch (mm)
--	2.4(64.0)	0.75(19)	40.0(1016)