

## FFM-N3839-500

sanitary nanofiltration membrane

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

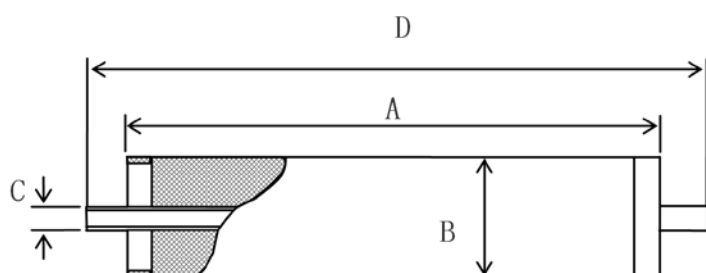
### Specification Parameter

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)
900(3.4)	1200(4.5)	600(2.3)	>99.0	76 (7.1)	31 (0.8)
720(2.7)	970(3.7)	480(1.8)	>99.0	61 (5.7)	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)
38.8 (984)	3.8 (96)	0.831 (21.1)	--