

## FFM-N8040GA-300

Acid resistant nanofiltration membrane

PRODUCT	Membrane Chemistry:	Special composite Membrane
DESCRIPTION	Nominal retention accuracy:	300 Dalton
	structure:	Spiral coil type
	Choice scope: Diameter:	inlet passage: (30mil), (46mil)
	Application:	Acid recovery, water concentration
	Through liquid pipe material:	CPVC

### Specification Parameter

Removal rate	Water yield	Membrane Area	inlet passage
Glucose, Sucrose /NaCl	gpd (m <sup>3</sup> /d)	ft <sup>2</sup> (m <sup>2</sup> )	mil (mm)
95/97 35	6500 (24.6)	308 (28.6)	30 (0.8)
95/97 35	5000 (18.9)	210 (19.5)	46 (1.2)

Test conditions: 3% glucose, 3% sucrose or 5% NaCl solution, RO water. Test pressure 440 psi (30bar), 86 ° f (30 ° C)

### OPERATION PARAMETERS

Recommended operating pressure:	220-510 psi (15-35bar)
Maximum operating temperature:	158° F (70°C)
PH range of continuous operation:	0-12
PH range of online cleaning:	0-12
Design pressure drop of single membrane element:	10 psi (0.7 bar)
Design pressure drop of single pressure vessel:	50 psi (3.5 bar)

### Conventional treatment fluid:

10%Hcl	10%H <sub>2</sub> S <sub>0</sub> 4
15%H <sub>3</sub> P <sub>0</sub> 4	2%HNO <sub>3</sub>

