

FFM-N4040GBA-500

Acid resistant nanofiltration membrane

PRODUCT	Membrane Chemistry:	Special composite membrane
DESCRIPTION	Nominal retention accuracy:	500 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 ³ /d)	ft ² (m ²)	mil (mm)
95/97 35	2240(8.5)	60.3(5.6)	30 (0.8)
95/97 35	1520(5.8)	43(4.0)	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:	122° F (50°C)
Cleaning temperature range:	95-122° F (35-50°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:	60 psi (4.2bar)

Conventional treatment fluid:

10%Hcl	10%H2SO4
15%H3PO4	2%HNO3

