

FFM-M6838-0.1

sanitary microfiltration membrane

PRODUCT DESCRIPTION	Membrane Chemistry:	Patent polyethersulfone (PES)
	Effective interception precision:	0.1um
	structure:	Roll type sanitary belt grid
	Choice scope: Diameter:	4 ", 6" and 8 "; inlet passage: (31mil), (46mil), (62mil), (80mil), (100mil) or (135mil); grid: fixed and adjustable

Specification

Parameter	Effective membrane area					
	(31mil)	(46mil)	(62mil)	(80mil)	(100mil)	(135mil)
ft2 (m2)	169 (15.7)	169 (15.7)	169 (15.7)	169 (15.7)	169 (15.7)	169 (15.7)
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Not all combinations are covered. Our company can customize special specifications of membrane components for users.

OPERATION PARAMETERS

Recommended operating pressure:	14.5-36 psi (1-2.5 bar)
Maximum operating pressure:	50.7 psi (3.5 bar)
Operating temperature range:	41-131° F (5-55°C)
Maximum operating temperature:	150° F(65.6°C) pH 6.0-7.5, 140° F (60°C) pH 3.5-6.0, 131° F(55°C) PH2.0-3.5and7.5-10.0
Cleaning temperature range:	104-122° F (40-50°C)
PH range of continuous operation:	2.0-10.0 (25°C)
PH range of online cleaning:	1.8-11.0 (25°C)

Design pressure drop of single membrane element:

Runner 31mil:	5-15 psi (0.3-1.0 bar)
Runner 46mil:	5-20 psi (0.3-1.4 bar)
Other Runner:	10-20 psi (0.7-1.4 bar)

Design pressure drop of single membrane shell (3 membranes in series):

Runner 31mil:	5-15 psi (0.3-1.0 bar)
Runner 46mil:	5-20 psi (0.3-1.4 bar)
Other Runner:	10-20 psi (0.7-1.4 bar)

