

FFM-M8038-0.1

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)	ft2 (m2)	ft2 (m2)	ft2 (m2)	ft2 (m2)	ft2 (m2)
	350 (32.5)	269 (25.0)	204 (19.0)	167 (15.5)	--	--

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)

