Product Data Sheet-Material Separation Nanofiltration Membrane

Core Filtration, Clear Solutions

FFM-N4040GBS-800

FFM Organic Solvent-Tolerant Nanofiltration Membranes precise separation for pharmaceutical API purification, natural aroma extraction, and organic solvent recovery. Features with 500+ cycles in methanol/ethyl acetate, >95% solute retention, zero extractables, and stable flux-ensuring regulatory compliance and operational economics in organic solvent systems.

Performance Parameters

Membrane Material:	Special Composite Materials
Structure:	Sanitary Spiral-Wound Mesh Design
Effective Retention Accuracy:	800 Dalton
Permeate Tube:	Stainless Steel
Standard Permeate Flow(31 mil):	2480 gpd (9.36 m^3/d)
Standard Permeate Flow(46 mil):	2000 gpd (7.50 m^3/d)

*Single-element water outlet tolerance: ±20% (standard conditions).

Product Specifications

Dimensions-inches(mm)		
L	L1	L2
40.0(1016)	0.75(19.0)	3.9(99.0)

Active Membrane Area-ft^2(m^2)	
31 mil	46 mil
65.0(6.0)	52.0(4.8)

Operation Parameters

Maximum Operating Temperature:	146 °F (60 °C)
Maximum Ceb Temperature:	146 °F (60 °C)
Maximum Operating Pressure:	1015 psi (7.0 Mpa)
pH Range,Continuous Operation:	2.0-12.0(25°C)
pH Range, Ceb:	1.0-13.0(25°C)
Design Pressure Drop per Membrane Element:	7.3 psi (0.05 Mpa)

*For specialized applications or customized solutions, please contact FFM Inc. directly.