

FFM-U4040GBS-50K

FFM Organic Solvent-Resistant Ultrafiltration Membranes designed for organic solvent processing in pharmaceutical API recovery, natural flavor extraction, and chemical recycling. Features with 500+ cycles in acetone/methanol, >98% solvent recovery, zero extractables, and consistent flux performance-ensuring regulatory compliance and cost efficiency in non-aqueous systems.

Performance Parameters

Membrane Material:	Special Composite Materials
Structure:	Sanitary Spiral-Wound Mesh Design
Effective Retention Accuracy:	50000 Dalton
Permeate Tube:	Stainless Steel
Standard Permeate Flow(31 mil):	3830 gpd (14.5 m ³ /d)
Standard Permeate Flow(46 mil):	3038 gpd (11.5 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:	122 °F (50 °C)
Maximum Ceb Temperature:	122 °F (50 °C)
Maximum Operating Pressure:	580psi (4.0 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.