

## FFM-U2540GB-4K

FFM Ultrafiltration Membranes designed for precise molecular separation in dairy processing (whey protein fractionation, casein purification) and beverage clarification, our tailored solutions feature multiple feed channels, exceptional chemical/temperature tolerance, high flux stability, and superior fouling resistance-ensuring efficient, sustainable performance in demanding bioprocessing applications.

### Performance Parameters

Membrane Material:	PES
Structure:	Sanitary Spiral-Wound Mesh Design
Effective Retention Accuracy:	4000 Dalton
Flow Channel Range:	31/46/62/80 mil
Mesh Support:	Fixed and Adjustable

### Product Specifications



Dimensions-inches(mm)		
L	L1	L2
40.0(1016)	0.75(19.0)	2.5(63.5)

Active Membrane Area-ft <sup>2</sup> (m <sup>2</sup> )			
31 mil	46 mil	62 mil	80 mil
34(3.1)	23(2.1)	16(1.4)	11(1.0)

### Operation Parameters

Recommended Operating Temperature:	41-131°F (5-55°C)
Maximum Operating Pressure:	435 psi (3.0 Mpa)
Recommended Operating Pressure:	140-360psi (1.0-2.5 Mpa)
Cleaning Operating Temperature:	104-122°F (40-50°C)
pH Range,Continuous Operation:	2.0-10.0(25°C)
pH Range, Ceb:	1.8-11.0(25°C)
Design Pressure Drop per Membrane Element:	
Flow Channel 31 mil:	12-15psi (0.08-0.1 Mpa)
Flow Channel 46 mil:	15-20psi (0.1-0.14 Mpa)
Other Channels:	15-25psi (0.1-0.17 Mpa)

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