



### FFM-U4040GBS-2K

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:                                       | 2000 Dalton                       |
| Permeate Tube:                                                      | Stainless Steel                   |
| Standard Permeate Flow(31 mil):                                     | 3830 gpd (14.5 m <sup>3</sup> /d) |
| Standard Permeate Flow(46 mil):                                     | 3038 gpd (11.5 m <sup>3</sup> /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 <sup>2</sup> (m <sup>2</sup> ) |           |
|--------------------------------------------------------|-----------|
| 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.