



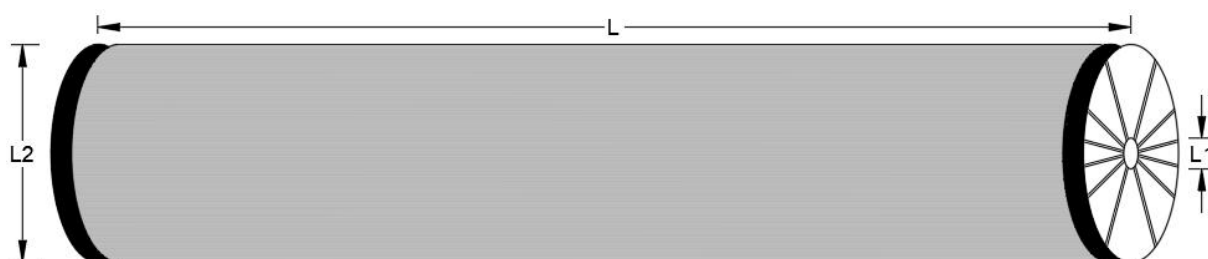
### FFM-U8040G-150K

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: | 150000 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)            | 1.1(28.9) | 8.0(203) |

| Active Membrane Area-ft <sup>2</sup> (m <sup>2</sup> ) |           |           |           |
|--------------------------------------------------------|-----------|-----------|-----------|
| 31 mil                                                 | 46 mil    | 62 mil    | 80 mil    |
| 370(34.3)                                              | 276(25.6) | 215(20.0) | 189(17.5) |

#### Operation Parameters

|                                            |                           |
|--------------------------------------------|---------------------------|
| Recommended Operating Temperature:         | 41-131°F (5-55°C)         |
| Maximum Operating Pressure:                | 140 psi (0.97Mpa)         |
| Recommended Operating Pressure:            | 30-120psi (0.21-0.83 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.