



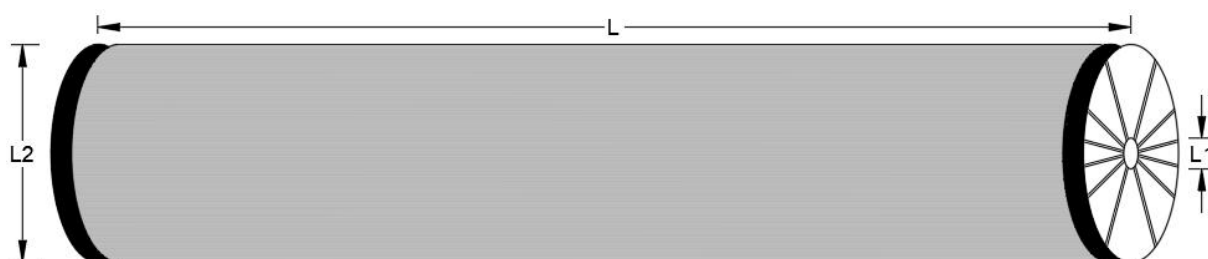
### FFM-U8038L-4K

FFM Alkaline-Resistant Ultrafiltration Membranes engineered for high-pH processing in dairy CIP systems, soy protein extraction, enzymatic biocatalysis, and wastewater valorization. Applied with pH 8-14 stability, 2,000+ NaOH cycles, high protein transmission, and irreversible fouling resistance-ensuring extended membrane life in aggressive chemical environments.

#### Performance Parameters

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

#### Product Specifications



| Dimensions-inches(mm) |           |          |
|-----------------------|-----------|----------|
| L                     | L1        | L2       |
| 38.0(965)             | 1.1(28.9) | 7.9(201) |

| 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) | /      |

#### 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:             | 8.0-14.0(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.