



## FFM4021-OHR

FFM's oxidation-resistant high rejection RO membrane series is designed for large municipal demineralization systems and industrial wastewater treatment. Featuring low operating pressure, superior fouling resistance, and consistent performance, these membranes deliver high-quality permeate with excellent yield. Engineered for enhanced oxidation resistance, these elements maintain performance in oxidizing environments and offer extended service life.

### Performance Parameters

|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Permeate Flow:       | 850 gpd(3.2m <sup>3</sup> /d)                                                                                                                 |
| Salt rejection:      | 99.5%,                                                                                                                                        |
| Chlorine resistance: | >98% salt rejection after 25000ppm-h                                                                                                          |
| Test conditions:     | 2000 mg/L NaCl solution<br>77 F(25°C) Operating Temperature<br>225 psi (1.55Mpa) Applied Pressure<br>8% Permeate Recovery<br>6.5-7.0 pH Range |

\*Single-element water outlet tolerance: ±20% (standard conditions).

### Product Specifications

| Dimensions-inches(mm) |            |            |         |
|-----------------------|------------|------------|---------|
| L                     | L1         | L2         | L3      |
| 21.0(533)             | 1.04(26.5) | 0.75(19.1) | 3.9(99) |

| Item                 | Specification                          |
|----------------------|----------------------------------------|
| Configuration        | Spiral Wound                           |
| Membrane Polymer     | Composite Polyamide                    |
| Membrane Active Area | 36ft <sup>2</sup> (3.4m <sup>2</sup> ) |



\*Post-update performance may vary within specified design limits, with ±3% membrane area tolerance.

### Operation Parameters

|                                        |                   |
|----------------------------------------|-------------------|
| Maximum Operating Temperature:         | 113°F (45°C)      |
| Maximum Operating Pressure:            | 600 psi (4.1 Mpa) |
| Maximum Pressure Drop Per Element:     | 15psi (0.1 Mpa)   |
| Maximum Pressure Drop Per Vessel:      | 50psi (0.35 Mpa)  |
| pH Range,Continuous Operation:         | 2-11              |
| pH Range, Short Term Cleaning (30min): | 1-13              |
| Maximum Feed Water SD(15mins):         | 5                 |
| Maximum Chlorine Concentration:        | < 0.1mg/L         |

\*The limitations shown here are for general use. For specialized applications or customized solutions, please contact FFM Inc. directly.