



FFM8040LP-375

FFM's low-pressure RO membrane delivers 99.6% desalination efficiency at just 0.8-1.2 Mpa operating pressure — approximately two-thirds that of conventional membranes. Ideal for municipal tap water, groundwater, and surface water with low-to-medium salinity, it significantly reduces equipment and operational costs. This membrane is widely deployed in water purification facilities and across food and beverage, dairy, electronics, pharmaceutical, and other light industrial sectors.

Performance Parameters

| | |
|------------------|--|
| Permeate Flow: | 10000 gpd(37.8m ³ /d) |
| Salt rejection: | 99.6% |
| Test conditions: | 1500 mg/L NaCl solution 77 F(25°C) Operating Temperature 150 psi (1.03Mpa) Applied Pressure 15% Permeate Recovery 6.5-7.0 pH Range |

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

Product Specifications



| Dimensions-inches(mm) | | |
|-----------------------|------------|----------|
| L | L1 | L2 |
| 40.0(1016) | 1.12(28.5) | 7.9(201) |

| Item | Specification |
|----------------------|--|
| Configuration | Spiral Wound |
| Membrane Polymer | Composite Polyamide |
| Membrane Active Area | 375ft ² (34.9m ²) |

*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.