

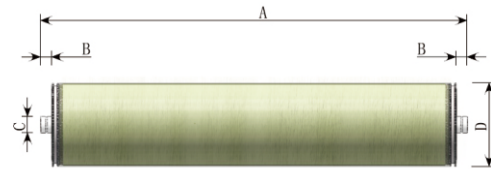
HRFR Series- High Rejection & Fouling Resistance Brackish Water RO Membranes

Product Description

Transfilm HRFR series RO membrane element is one of the RO membrane elements with a maximum and stable desalination rate at 99.7%. In general industrial and water treatment applications, it only needs one primary RO membrane system to meet the strictest requirements for effluent water quality. With an active area of 400 square feet, it can not only maximize productivity, but also achieve accurate system design and predictable flux. It can meet high water purification requirements at low cost. These RO membranes are available in 4" and 8" sizes.

Product Highlights

- Significantly lower membrane system's operating pressure and power consumption
- High rejection rate and flux
- Cost-effectiveness of membrane system



Product Dimensions

Model	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)
TF BW-8040-400HRFR	40(1,016)	/	1.125(29)	7.9 (201)

Product Specifications

Model	Effective Membrane Area, ft ² (m ²)	Stablized Rejection Rate(%)	Minimum Rejection Rate(%)	Flux, gpd(m ³ /d)
TF BW-8040-400HRFR	400(37)	99.7	99.4	11,500(44)

Flux and rejection rate is based on the following standard test conditions: 1.55 MPa (225 psi) pressure, 77°F (25°C), 2,000 ppm NaCl solution and pH 8 for feedwater, and 15% recovery.

Operating and Cleaning Limits

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|---------------------------------|------------------|--------------------------------|-----------|
| • Maximum Operating Pressure | 41 bar (600 psi) | • pH Range Short-Term Cleaning | 1-13 |
| • Maximum Operating Temperature | 45°C (113°F) | • Maximum Feed SDI(SDI15) | 5.0 |
| • Maximum Element Pressure Drop | 1.0 bar (15psi) | • Free Chlorine Tolerance | < 0.1 ppm |
| • pH Range Continuous Operation | 2-11 | | |

Notes

- Permeate flow for individual elements may vary ±15 percent from the value specified.
- Active membrane area guaranteed ±4%.
- Stabilized salt rejection is generally achieved within 24-48 hours of continuous use; depending upon feedwater characteristics and operating conditions.