KeenSen

BW-4040

Fouling Resistant RO Membrane Element

High Rejection • High Flux

• Superior Anti-Fouling Performance

Advanced RO Membrane Solution for Industrial Water Treatment

KEENSEN BW-4040 is a high-performance brackish water RO membrane designed for industrial water treatment applications requiring stable permeate quality, high rejection efficiency, and reliable long-term operation. Engineered to deliver efficient water production and consistent performance, the membrane is suitable for a wide range of industrial RO systems andprocess water applications.

Applications

- Industrial RO Systems
- Brackish Water Treatment
- Surface Water Treatment
- Groundwater Treatment
- Food & Beverage Industry
- Pharmaceutical Industry
- Chemical Industry
- Power & Utility Plants
- Process Water Systems

Features

- Provides up to 99.6% salt rejection for reliable water quality
- High Permeate Flow for efficient water production
- Reliable Long-Term Operation for enhanced system stability
- Suitable for various industrial RO water treatment applications
- Designed specifically for Brackish Water Reverse Osmosis (BWRO) systems

Specifications

Model	BW-4040
Membrane Size	4" X 40" Standard Industrial Element
Active Membrane Area	85 ft^2 (7.9 m^2)
Concentrate Spacer	28 mil
Permeate Flow	2,500 GPD (9.5 m^2 /day)
Stable Rejection Rate	99.60%
Minimum Rejection Rate	99.50%
Maximum Working Pressure	600 psi (4.14 MPa)
Maximum Feed Water Temperature	45°C
Maximum Feed Water SDI15	5.0
Maximum Feed Water Flow	3.6 m^3/h
Free Chlorine Concentration	< 0.1 mg/L
pH Range (Continuous Operation)	3 - 10
pH Range (Chemical Cleaning)	1 - 13
Maximum Pressure Drop	15 psi (0.1 MPa)

Standard Test Conditions

NaCl Concentration	2000 mg/L
Temperature	25°C
pH Value	7.5-8
Operating Pressure	225 psi (1.55 MPa)
Recovery Rate	15%

***Permeate flow of a single membrane element may vary within ±15%.*

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