

# Keensan

## BW-8040XLFR

### Fouling Resistant RO Membrane Element

High Rejection • High Flux

• Superior Anti-Fouling Performance



### Advanced RO Membrane Solution for Industrial Water Treatment

KEENSEN BW-8040XLFR is a high-performance fouling resistant RO membrane designed for industrial watertreatment applications requiring stable permeate quality, high rejection performance, and reduced membrane fouling. Engineered for challenging feed water conditions, the membrane delivers reliable operation, long service life, and lower maintenance frequency – helping improve overall system efficiency and operational stability.

### Features

- Superior Anti-Fouling Performance for reduced cleaning frequency
- High Salt Rejection for stable and reliable water quality
- High Permeate Flow for efficient water production
- Long Service Life for enhanced operational stability
- Suitable for various industrial RO water treatment 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



## Specifications

Model	BW-8040XLFR
Membrane Size	8" X 40" Standard Industrial Element
Active Membrane Area	400 ft <sup>2</sup> (37.2m <sup>2</sup> )
Concentrate Spacer	34 mil
Permeate Flow	11,500 GPD (43.5 m <sup>2</sup> /day)
Stable Rejection Rate	99.75%
Minimum Rejection Rate	99.65%
Maximum Working Pressure	600 psi (4.14 MPa)
Maximum Feed Water Temperature	45°C
Maximum Feed Water SDI15	5.0
Maximum Feed Water Flow	17 m <sup>3</sup> /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%.*

