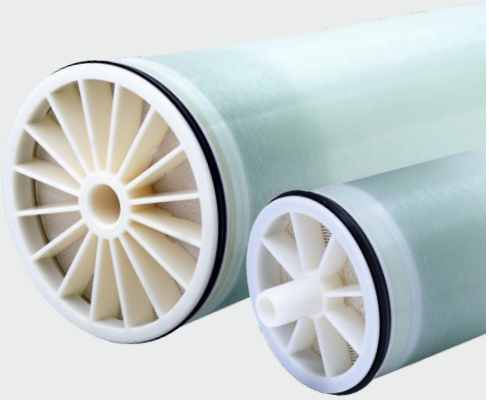
Polymex RO, UF
& NF Membranes



Product Highlights

- Significantly lower membranes system's operating pressure and power consumption.
- Cost-effective.

Key Features

- Low energy consumption
- High salt rejection
- High permeate flow rate
- Improved fouling resistance due to thicker feed spacer

Main Benefits

- A combination of high permeate water quality and energy efficiency

Ideal Applications

- Small capacity commercial & industrial drinking water system requiring energy efficiency & moderate permeate water quality.

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 the feedwater characteristics & Operating conditions.

*At the Inlet of this membrane <5 µm Filter should be Provided to prevent blockage of membrane by large particles in Feed Water.

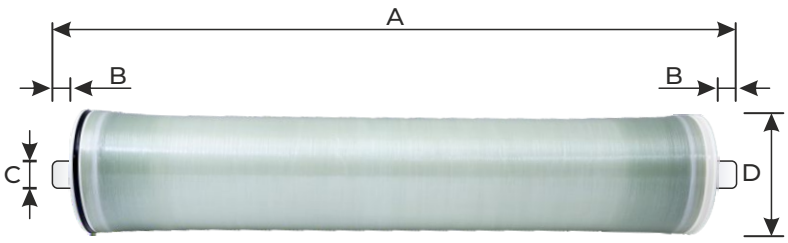
POLYMEX™

Product Data Sheet

Polymex BW 4040

RO Membrane Module

BW 4040 RO membrane elements are primarily used for brackish water desalination. They provide excellent, stable and consistent membrane performance for industrial & commercial water treatment systems. The elements operates at moderate pressure providing a more cost effective alternative for industrial-grade water treatment applications. They have high rejection rate for dissolved salts that are difficult to remove, such as TOC, SiO_2, etc., and therefore, applicable to near-zero discharge for oil and petrochemical industry waste water treatment and feed water for thermal power plant boilers.



Product Dimensions

Model	Length A inch (mm)	Length B Inch(mm)	Length C Inch(mm)	Length D Inch(mm)
BW 4040	40.0"(1016)	1.04"(26.5)	0.75"(19. 1)	3.9"(99)

Performance Specifications

FLOW GPD(m^3/d)	REJECTION STABLE (%)	REJECTION (%) MINIMUM	Area ft^2 (m^2)	Feed Spacer (mil)
2500 (9.4)	99.50	99.30	90 (8.36)	32

Testing Conditions

Operating Pressure	225psi (15 Kg/cm^2)
Tested at	2000ppm NaCL
Temperature	25°C ± 2°C
pH	8.0 ± 0.5
Recovery rate at	15%

Operating & Cleaning Limits

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

Note : Each membrane element may have ± 15% variation of permeate flow.