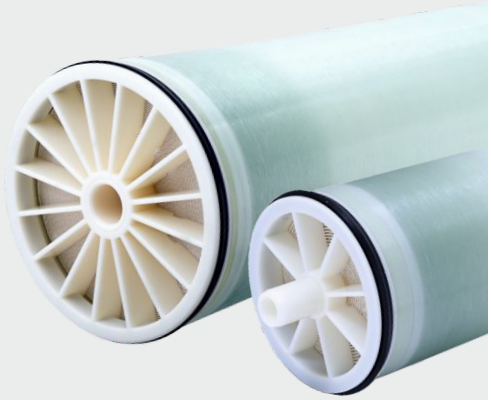
Polymex RO, UF
& NF Membranes



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

- Commercial & industrial water treatment systems for softening, demineralisation and purification.
- For pretreatment for RO Water

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.

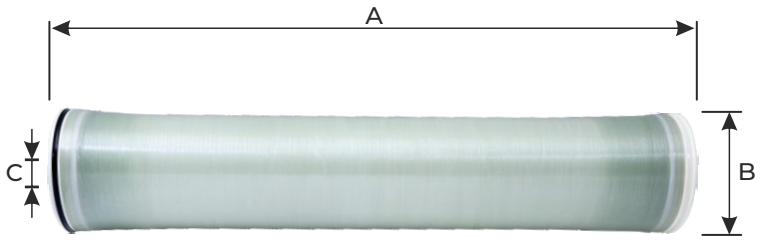
POLYMEX™

Product Data Sheet

Polymex NF 90 8040

RO Membrane Module

Polymex NF 90 8040 Series NF membranes provide high flux and excellent performance in removing monovalent and divalent salts. They also have a high removal rate for organic compounds, such as pesticides, herbicides, and THM precursors. Furthermore, they exhibit a high rejection rate for natural organic compounds like humic acid and other organic compounds. In addition, these membranes can also recover valuable multivalent salts and small molecular organics. They require low net driving pressure and can effectively remove impurities or recover valuable minerals. They can be operated by a very simple procedure with low energy consumption and cost. These membranes are suitable for the papermaking, printing and dyeing industries, and municipal water treatment systems. In the water treatment brocess, they can not only reduce water hardness but also effectively remove toxic and harmful substances from the water.



Product Dimensions

Model	Length A inch (mm)	Length B Inch(mm)	Length C Inch(mm)
NF 8040	40.0"(1016)	7.9"(201)	1. 12"(28.5)

Performance Specifications

FLOW GPD(m^3/d)	REJECTION STABLE (%) $MgSO_4$	REJECTION (%) MINIMUM NaCl	Area ft^2 (m^2)	Feed Spacer (mil)
10500 (39.8)	≥ 98.00	85 - 95	400 (37.16)	34

Testing Conditions

Operating Pressure	100psi (7 Kg/cm^2)
Tested at	2000ppm MgSO4/ 500 NaCl
Temperature	25°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.