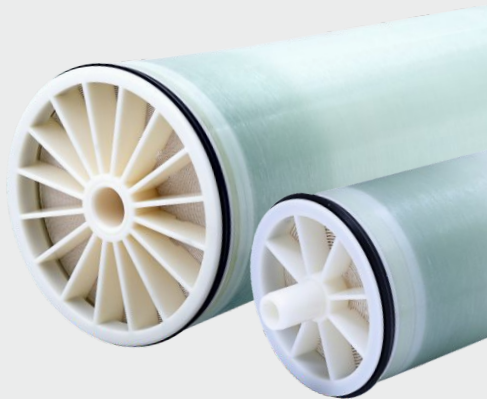




Product Highlights

- 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 water treatment plant requiring energy efficiency & moderate permeate water quality in pharmaceutical industries

Notes

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

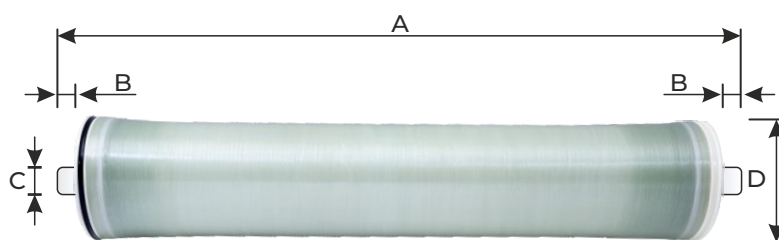
*At the Inlet of this membrane $< 5 \mu\text{m}$ Filter should be Provided to prevent blockage of membrane by large particles in Feed Water.

Product Data Sheet

Polymex HSRO 4040

RO Membrane Module

Polymex. HSRO 4040 membranes are specialty Hot Water sanitizable RO membranes that deliver outstanding quality water with the added capability to withstand the sanitization with hot water, eliminating the need for chemical sanitizers. They have the highest active membrane area, allowing system designs with either lower operating flux or cost savings from fewer membrane elements. The full-fit configuration minimizes stagnant areas and is optimal for applications requiring sanitary design.



Product Dimensions

Model	Length A inch (mm)	Length B Inch(mm)	Length C Inch(mm)	Length D Inch(mm)
HSRO 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)
1300 (4.9)	99.00	98.50	85 (7.90)	28

Testing Conditions

Operating Pressure	225psi (15 Kg/cm ²)
Tested at	2000ppm NaCl
Temperature	25°C
pH	8.0 $\pm$ 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 Sanitisation Temp. @ 25psi	85°C (185°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 $\pm 15\%$ variation of permeate flow.