Polymex RO, UF, MF & NF Membranes

POLYMEX™

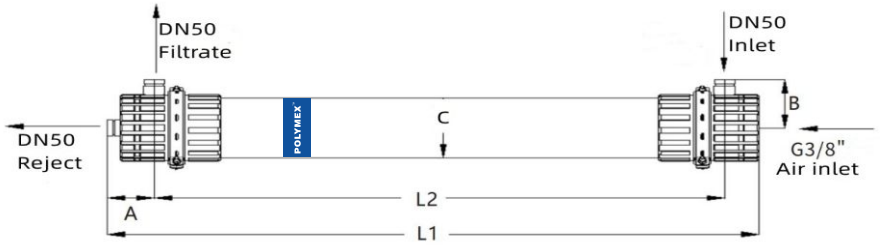
Product Data Sheet

Polymex MF 2880

Hollow Fiber UF Membrane Module

The Polymex MF Series Microfiltration Module is a high performance hollow fiber membrane component with a 0.1µm pore size, engineered for precise contaminant removal. Crafted from premium PVDF material, it boasts excellent chemical resistance and anti-fouling properties, ensuring stable operation across various harsh process conditions. With its high porosity and optimized flow path design, the module delivers superior permeability while reliably retaining suspended solids, bacteria, and fine particles. Ideal for water treatment, pre-Ro filtration, and industrial process purification, it offers long service life and easy maintenance for cost-effective performance.





Product Highlights

FEATURES

- Modified PVDF with good hydrophilicity
- Anti-fouling with long service life
- Excellent chemical resistance
- Outside-in flow mode

APPLICATIONS

- Pre-RO
- Power plant
- Drinking water
- Oil&Gas

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

Product Dimensions & Specification

Model	Length L1 inch (mm)	Length L2, Inch(mm)	Diameter C Inch(mm)	Width W1 , W2	Effective Membrane Area, ft^2 (m^2)	Flow Configuration	Flow L/H (1.5 Kg/cm^2, 25°C)
MF 2880	92.91(2360)	64.17(1630)	8.86(225)	9.84(250)	829(77)	Outside - In	6,000 – 9,000

Filtration Peformance

Ingredient	Effect
SS, Particles > 1µm	Removal Rate = 99%
SDI	≤ 5
Turbidity	< 1NTU
TOC	Removal Rate: 0-30%

Technical Parameters

Ingredient	Effect
Filtering Type	Outside - In
Membrane Material	PVDF
Membrane Area	77m^3 (829 ft^2)

Application Data

Operating Flux	50-120L/m^2.hr (1.5 Kg/cm^2, 25°C)
Backwash Flux	100-200L/m^2.hr (1.5 Kg/cm^2, 25°C)
Suggested Working Pressure	≤ 3 Kg/cm^2
Maximum Transmembrane Pressure	2.0 Kg/cm^2
Maximum Backwashing Pressure	2.5 Kg/cm^2
Air Washing Volume	0.1-0.15N m^3/m^2.hr
Air Washing Pressure	≤ 0.5 Kg/cm^2
Maximum Working Temperature	35°C
PH Range	Working: 2-11; Washing: 2-11
Operating Mode	Cross Flow or Dead End

Operating Parameters

Backwashing Frequency	Every 30-60min.
Backwashing Duration	30-60s
CEB Frequency	0-4 times per day
CEB Duration	5-10min.
CIP Frequency	Every 1-3 months
Sterilization	15ppm Sodium Hypochlorite
Organic Pollution Washing	0.2% Sodium Hypochlorite + 0.1% Sodium Hydroxide
Inorganic Pollution Washing	1-2% Citric Acid/0.2% Hydrochloric Acid