Polymex RO, UF
& NF Membranes



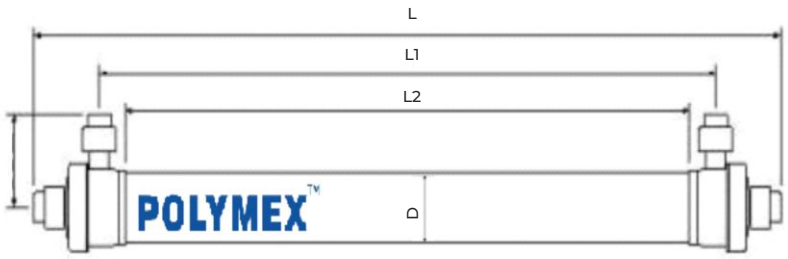
POLYMEX™

Product Data Sheet

Polymex ZW 700 B

Hollow Fiber UF Membrane Module

Polymex ZW Series UF Membranes are used to treat a wide range of highly variable waters as either primarytreatment or as pretreatment to reverse osmosis (RO) and nanofiltration (NF). Comparedto conventional pretreatment and other UF membrane pre-treatment, Polymex Mx Series UF Membranesoffer the combined benefits of high recovery and low footprint requirement due to itsoptimized membrane area and novel cleaning regimes. High strength TIPS PVDFmembrane minimizes fiber breakage rate and ensures consistently superior filtrate quality,which enables RO and NF systems to be operated at higher fluxes, while maintaininglonger intervals between cleanings.



Product Dimensions & Specification

Model	Length L, L1 inch (mm)	Length L2, L3 Inch(mm)	Diameter D Inch(mm)	Width W1 , W2	Effective Membrane Area, ft² (m²)	Flow Configuration	Flow L/H (1.5 Kg/cm², 25°C)
ZW 700B	66.22(1682)	62.83(1596)	59.05(1500)	9.84(250)	646(60)	Outside in	3000 - 7200

Filtration Peformance

Ingredient	Effect
SS, Particles > 1µm	Removal Rate = 99%
SDI	≤ 3
Bacteria, Viruses	> 4 log
Turbidity	< 1NTU
TOC	Removal Rate: 0-25%

Technical Parameters

Ingredient	Effect
Filtering Type	Inside-Out
Membrane Material	PVDF
MWCO	100K Dalton
Membrane Area	80m³ (861 ft²)

Application Data

Operating Flux	50-120L/m².hr (1.5 Kg/cm², 25°C)
Backwash Flux	100-200L/m².hr (1.5 Kg/cm², 25°C)
Suggested Working Pressure	≤ 3 Kg/cm²
Maximum Transmembrane Pressure	1.5 Kg/cm²
Maximum Backwashing Pressure	2 Kg/cm²
Air Washing Volume	0.1-0.15N m³/m².hr
Air Washing Pressure	≤ 1 Kg/cm²
Maximum Working Temperature	35°C
PH Range	Working: 4-10; Washing: 2-12
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

Product Highlights

- Drinking water treatment of tap water, surface water, well water and river water.
- Pre-treatment for RO.
- High strength, hollow fibre membranes
- Treatment, recycle and reuse of industrial waste water.
- Moderate removal rate of organic maters with High flux.

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