Polymex RO, UF
& NF Membranes

POLYMEX™



Application

- Drinking water treatment of tap water, surface water, well water and river water
- Pretreatment of RO
- Treatment, recycle & reuse of industrial waste water

*At the Inlet of this membrane <50 μm Filter should be Provided to prevent blockage of membrane by large particles in Feed Water.

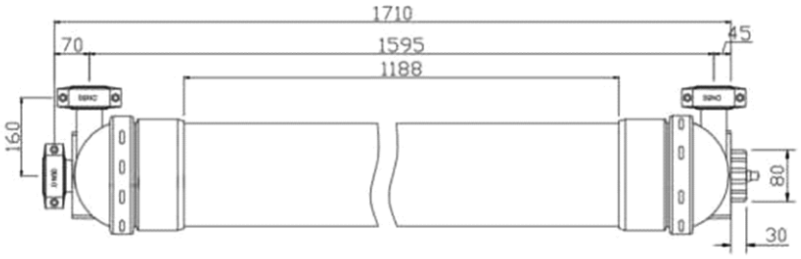
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Product Data Sheet

Polymex UF PS - 1060XP

Hollow Fiber UF Membrane Module

UF PS - 1060XP capillary hollow fiber membrane is high polymer material, which will not have any phase change. Modified PVDF material, which is adopted on this product, has good permeable rate, good mechanical properties, good chemical resistance and pollution resistance. MWCO is 200K Dalton, membrane ID/OD is 0.8mm/1.3mm, filtering type is outside-in.



Technical Parameters

Filtering Type	**Outside-in**
Membrane Material	Modified PVDF
MWCO	200K Dalton
Membrane Area	47m²
Membrane ID/OD	0.8mm/1.3mm
Dimensions	Φ200mm*1710mm
Connector Size	DN50 Clamping

Filtration Performance

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

Application Data

Pure Water Flux	9,400L/H (0.15MPa, 25℃)
Designed Flux	40-120L/m².hr (0.15MPa, 25℃)
Suggested Working Pressure	≤ 0.2MPa
Maximum Transmembrane Pressure	0.15MPa
Maximum Backwashing Pressure	0.15MPa
Air Washing Volume	0.1-0.15N m³/m².hr
Air Washing Pressure	≤ 0.1MPa
Maximum Working Temperature	45℃
PH Range	Working: 4-10; Washing: 2-12
Operating Mode	Cross-flow or Dead-end

Operating Parameters

Continuous Residual Chlorine	≤ 5 PPM
Continuous Feed Turbidity	≤ 25NTU
Maximum Instantaneous Feed Turbidity	100 NTU
Oil & Grease	≤ 2mg/L
Backwashing Flow Rate	100-150L/m².hr
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
Washing Chemicals:	
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