Polymex RO, UF
& NF Membranes



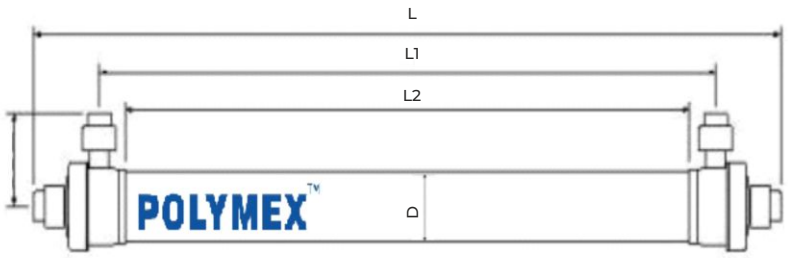

POLYMEX™

Product Data Sheet

# Polymex UFC 200 AM

Hollow Fiber UF Membrane Module

POLYMEX PVC Series UF Membranes are capillary hollow fiber membranes with high polymer material, which will not have any phase change. Modified PVC material, which is adopted on this product, has excellent permeable rate, mechanical properties, chemical resistance and pollution resistance. With Inside-Out flow, Hollow fibers are separated into 3 sectors, evenly distributing backwashing water to each sector, resulting in better backwashing effect.




## 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) |
|---|---|---|---|---|---|---|---|
| **UFC200AM** | 58.26(1480) | 41.96(1066) | 35.03(890) | 7.87(200) | 290.62(27) | Inside Out | 945-2700 |

## 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 | Modified PVC |
| MWCO | 100K Dalton |
| Membrane Area | 27m² (291 ft²) |

## Application Data

| | |
|---|---|
| Operating Flux | 35-100L/m².hr (1.5 Kg/cm², 25°C) |
| Backwash Flux | 100-150L/m².hr (1.5 Kg/cm², 25°C) |
| Suggested Working Pressure | ≤ 2.0 Kg/cm² |
| Maximum Transmembrane Pressure | 1.5 Kg/cm² |
| Maximum Backwashing Pressure | 1.5 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.