Memflow MF PVDF Series

MEMFILL TECH PRIVATE LIMITED

We are expert in membrane technologies and manufacturing composite Hollow Fiber (HF) membranes for water, wastewater and water reuse applications covering various Industries.

Our extensive R&D activities have resulted in indigenously producing a range of high quality and durable HF. Further, we offer our innovative process know-how, tailor-made turnkey solutions to markedly reducing the operating expense to the customers.

Memfill's Micro-Filtration (MF), polyvinylidene fluoride (PVDF) HF membrane has developed for high total suspended solids(TSS) and turbidity removal from various industrial water / wastewater. Our proprietary hydrophilic PVDF membranes are extremely durable, affordable cost, various module dimension and higher strength with a nominal pore size is 0.1 µm.

Memflow MF membranes have a retention defining microporous outer skin and a more open inner layer for increased filtration with higher recoveries.

MEMFILL
Hollow Fibers. Smarter Solutions.

Product Name: Memflow MF PVDF Series

Memflow MF PVDF

Features

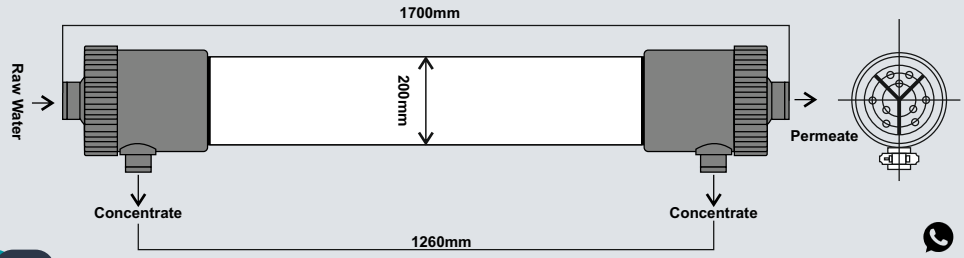
asymmetric structure of 0.1µm pore size
Hydrophilic PVDF membrane with easy wetting performance
High tolerance to varying influent water qualities
Reduced pre-treatment requirements due to outside-in flow
High chemical resistance
Energy saving due to low operating pressure

Applications

Textile waste water
Pre-treatment system
Municipal wastewater treatment
Industrial wastewater treatment
Wastewater recycle surface and groundwater treatment

Product Model	Memflow MF F31	Memflow MF F40	Memflow MF F45	Memflow MF F50	Memflow MF F60
Membrane Material	PVDF				
Shell and Seal Material	PVC / UPVC & Epoxy Resin				
Diameter X Length (mm)	200 x 1700	200 x 1700	200 x 1700	200 x 1700	200x2020
Effective Membrane Area	~31 m^2	~40 m^2	~45 m^2	~50 m^2	~60 m^2
Design Flux	~ 40 - 120 L/m2/h (Output flux may vary depending of feed water quality)				
Nominal Pore Size	0.1 micron				
Molecular Weight Cut Off	500,000 Dalton				
Bacteria Removal Rate	> 4 log				
Flow Type	Out-in / In-out				
Operating Temprature	5 - 40^{0}C				
pH Range	2 - 10				
Max. Operating Pressure	~ 1 - 1.5 bar				
Suggested Operating Pressure	≤ 1 bar				
Max. Transmembrane Pressure	< 2 bar				
Backward Pressure	2 - 3 bar				
Permeate Turbidity	< 0.1 NTU				

Note :
Based on the source / quality / fluctuation of feed water the duration of backwash frequency may change.
Chlorine tolerance : ~500000 ppm/hour and chemical for cleaning: NaOCL, NaOH, HCL
Although our membrane is made durable, customers are responsible for the use of incompatible chemicals which may affect the performance so failure. For guidelines and clarifications please contact our technical staff.



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