MS® FUF Membrane Module

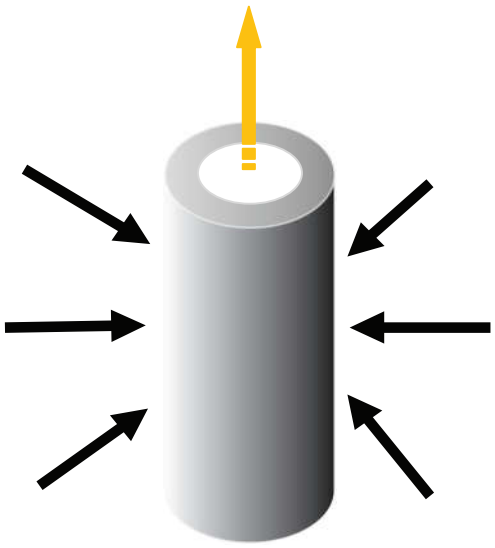
DESCRIPTION

MS® FUF modules are made with high strength hollow fiber PVDF with 0.03μm pore size. It offers high tolerance to chemical cleaning. Ultrafiltration (UF) provides excellent retention performance to particles, suspended solids, colloidal material, bacteria and viruses. PVDF modules are used in a variety of applications including municipal water, drinking water, power plants, petrochemical, reverse osmosis pretreatment for desalination plants and high purity water.



FEATURES

- 0.03μm pore size guarantees stable permeate
- Modified hydrophilic PVDF membrane with easy wetting performance
- High tolerance to varying influent water qualities
- Reduced pretreatment requirements due to outside-in flow
- High chemical resistance
- Energy saving due to low operating pressure
- Standard models allow for easy retrofits



APPLICATIONS

- Reverse osmosis pretreatment system
- Municipal wastewater treatment
- NSF potable water treatment
- Industrial wastewater treatment
- Wastewater recycle
- Surface and groundwater treatment









USA
Address: 20021 80th Ave S, Kent WA98032
Toll free: 1-866-528-4572 Fax: 1-732-412-4040

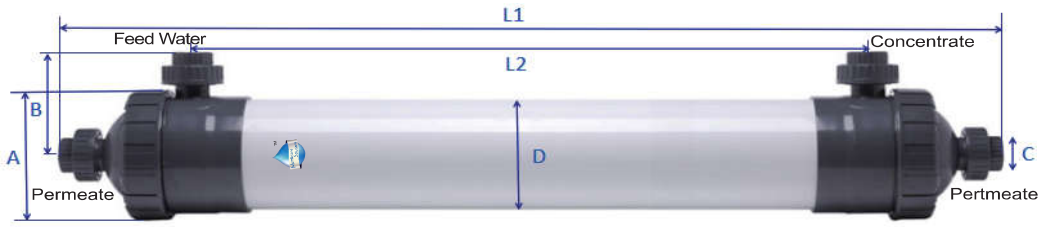
China
Address: 2202, No.1759 North Zhongshan Road, Shanghai Website: www.membrane-solutions.com
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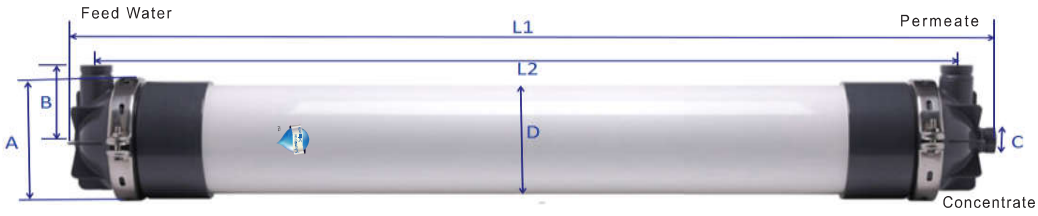
MS® FUF Membrane Module

SPECIFICATIONS

Unions Joint



Coupling Joint



Module Type	MSFUF4040U	MSFUF6040U	MSFUF8060U	MSFUF8040C	MSFUF8060C	MSFUF1060C
Membrane Surface Area(m^2/ft^2)	8 / 86.11	25 / 269.10	60 / 645.83	40 / 430.55	60 / 645.83	75 / 807.29
Hollow Fiber Material	PVDF					
Pore Size (μm)	0.03	0.03	0.03	0.03	0.03	0.03
ID / OD (mm / inch)	0.7 / 1.3 (0.027 / 0.051)					
Flow Direction	Outside - in					
L1 (mm / inch)	1,225 / 48.23	1,410 / 55.51	1,882 / 74.09	1,295 / 50.98	1,670 / 65.75	1,670 / 65.75
L2 (mm / inch)	1,025 / 40.35	1,045 / 41.14	1,473 / 57.99	1,200 / 47.24	1,595 / 62.80	1,595 / 62.80
D (mm / inch)	90 / 3.54	160 / 6.30	200 / 7.87	200 / 7.87	200 / 7.87	250 / 9.84
A (mm / inch)	110 / 4.33	195 / 7.68	240 / 9.45	235 / 9.25	235 / 9.25	290 / 11.42
C In/Outlet Connector	DN25	DN32	DN40	DN50	DN50	DN50
Housing Material	UPVC					
Joint Material	UPVC	UPVC	UPVC	Stainless Steel	Stainless Steel	Stainless Steel
Potting Material	Epoxy Resin					
Max Feed Pressure (MPa / psi)	0.2 / 29.01					
Operation Flux (L / H)	400 - 1,200	1,250 - 3,750	3,000 - 9,000	2,000 - 6,000	3,000 - 9,000	3,750 - 11,250
Max TMP (MPa / psi)	0.2 / 29.01					
Operation Temp (℃/℉)	5 - 40 (41 - 104)					
pH Range	2 - 10	2 - 10	2 - 10	2 - 10	2 - 10	2 - 10
Max Turbidity (NTU)	300	300	300	300	300	300
Permeate Turbidity	≤0.1 NTU					
Permeate SDI	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0	≤ 3.0
Max. Continue Chlorine (ppm)	200					
Backwash Flux (L / H)	600 - 800	1,900 - 2,500	4,500 - 6,000	3,000 - 4,000	4,500 - 6,000	5,500 -7,500
Air Wash Flux (Nm^3/H)	0.6 - 1.0	1.5 - 3	4 - 6	3 - 5	4 - 6	6 - 9

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