UF membrane

UF membrane is made of high-strength hollow fiber PVDF. It can effectively remove suspended solids, colloids, bacteria, viruses, and large organic molecules from water while retaining mineral ions.

- 0.03 μm nominal pore diameter, guarantees stable permeate
- Hydrophilic PVDF fibers for easy cleaning and wettability
- PVDF polymeric hollow fibers for high strength and chemical resistance allows long membrane life

Model	UF4040U	UF6040U	UF8060U	UF8040C	UF8060C	FUF1060C
Membrane Surface Area (m2/ft2)	8 / 86.11	25 / 269.10	60 / 645	40 / 430.55	55 / 592	75 / 807.29
Hollow Fiber Material	PVDF					
Pore Size (μm)	0.03					
ID / OD (mm/inch)	0.7 (0.027) / 1.3 (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
In/Outlet Connector	DN25	DN32	DN40	DN50	DN50	DN50
Housing Material	UPVC					
Joint Material	UPVC			Stainless Steel		
Sealant	Epoxy Resin					
Max. Feed Pressure (Mpa/psi)	0.3 / 43.52					
Operation Flux (L/H)	400 - 1,200	1,250 - 3,750	3,000 - 9,000	2,000 - 6,000	2,750 - 8,250	3,750 - 11,250
Max. TMP (Mpa/psi)	0.2 / 29.01					
Operation Temp	5 - 40 / 41 - 104					
pH Range	2.0 - 12.0					
Max. Turbidity (NTU)	300					
Permeate Turbidity	≤ 0.1					
Permeate SDI	≤ 3.0					
Max. Continuous Chlorine (ppm)	1,000 (available chlorine concentration)					
Backwash Flux (L/H)	600 - 800	1,900 - 2,500	4,500 - 6,000	3,000 - 4,000	4,200 - 5,500	5,500 - 7,500
Air Scouring Flux (Nm3/H)	0.6 - 1.0	1.5 - 3	4 - 6	3 - 5	4 - 6	6 - 9