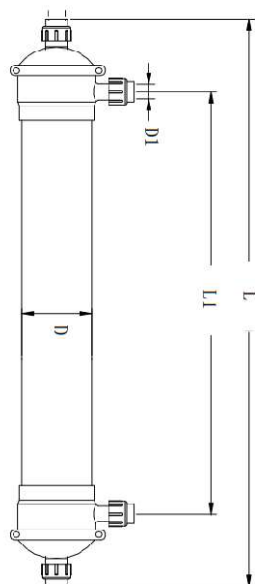


ACN: 108 153 242

**Process Engineering, Process Management, Project Management and
Environmental Management Solutions**

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DATA SHEET Ultra Filtration (UF) Membrane



Specification	Model								
	UF90		UF160		UF200			UF250	
	M1	M1	M2	M3	M1	M2	M3	M1	M2
Diameter (D) (mm)	90	160	160	160	200	200	200	250	250
Length (L) (mm)	1175	1420	1750	1920	1475	1800	2100	1715	2020
Nozzle Size (D1) (mm)	32	40	40	40	50	50	50	50	50
Effective Membrane Area (m ²)	6	24	31	35	35	45	55	60	70
MWCO (Dalton)	6K to 500K (normal is 100K) with pore size 0.01µm								
Initial Flowrate (m ³ /h)*	1.8	4.2	7.5	8.5	7.5	10	12	15	20
Recommended Design Flow (m ³ /h)	0.2-0.3	0.8-1.2	1.0-1.5	1.2-1.8	1.0-1.5	1.3-2.0	1.6-2.5	2.0-3.0	2.5-3.5
Material	PVC or PAN (other materials available – please inquire)								

* Measured with distilled water at 25°C and 0.10MPa

Output Silt Density Index (SDI)**	<1
Piping Type (connection)	Cross flow or dead end
Backwash Flow (L/m ² .h)	150-200
Backwash TMP (MPa)	0.08-0.15
Backward Flush Cycle	20-60 mins
Forward Flush Flow (L/m ² .h)	1.5-2 Times Output Flow
Chemicals	Citric Acid, NaOH / NaClO, H ₂ O ₂

** Measured with input Turbidity <20NTU (SDI test membrane is blocked by raw water in 6 to 10 seconds)

Output Turbidity***	<0.1 NTU (Input ≤20NTU)
Recommended Temperature (°C)	5-50
pH	2-13
Recommended TMP (MPa)	0.04- 0.08
Max. Feed Pressure (MPa)	0.3
Max. Backwash Pressure (MPa)	0.15
Type of Filter Path	Outside-In, or Inside-Out
Housing Material	UPVC
Continuous Chlorine Resistance	100ppm, PVDF(500)

*** Measured with input Turbidity <50NTU (pre-treatment needed for actual application)

Do you have a question about this product?

Please email sales@alphaconcepts.net.au or phone 0409 761 922

We look forward to assisting with your inquiry!