



ULTRAFILTRATION MEMBRANE

UF PRODUCT FEATURES

- High Water Flux & Good Permeability
- Allow For Higher Content Of Suspended Substances & Longer Particle Dia In Feed Water
- Excellent Interception & Filtering Precision Performance
- Strong Hydrophilic
- Excellent Anti-pollution Performance
- High Mechanical Strength

APPLICATIONS

- Pretreatment & Post-treatment For Reverse Osmosis Plant
- Impurity Filtration, Sterilization & Concentration, Etc In Food, Pharmaceuticals And Fermentation Industry
- Reuse Of Intermediate Water
- Water Supply Treatment For Drinking Water



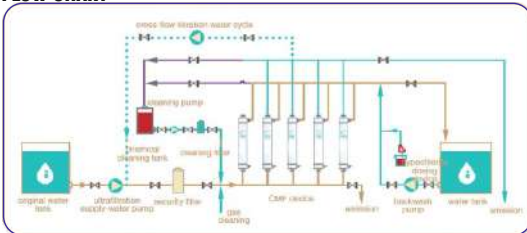
Tel No : +91-11-41106124, 45066467.
E-Mail : info@purensafe.com Website : www.purensafe.com



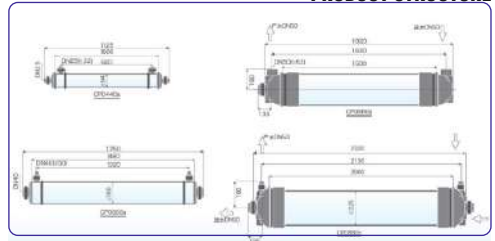
TECHNICAL SPECIFICATION

Membrane Component Model	CP0440a	CP0660a	CP0860b	CP0860c	CP0880c
Basic Information					
Filtration Mode			External Pressure		
Membrane Material			PVDF		
Membrane ID/OD			0.8 mm / 1.2 mm		
Bonding Material			Epoxy		
Shell Material			ABS		
Pore Size			0.03 μm		
Producing Water Turbidity			≤ 0.1 NTU		
Producing Water Suspended Substance			< 0.5 mg		
Producing Water E Coil			Not Detected		
Max. Influent Pressure			0.6 Mpa		
Max. TMP Diff. Pressure			0.2 Mpa		
Membrane Area	8 m ²	34 m ²	52 m ²	52 m ²	70 m ²
Effective Length	940 mm	1400 mm	1400 mm	1400 mm	1900 mm
Membrane Filament Quantity	2200	5600	9860	9860	9780
Interface Size	DN 25	DN 40	DN 50 Coupling	DN 50 Coupling	DN 50 Coupling
Weight (Hygrometric State)	7 kg	50 kg	70 kg	70 kg	70 kg
Influx(Pure Water)	1.5 m ³ /h	6 m ³ /h	10 m ³ /h	10 m ³ /h	13 m ³ /h
Influx (Backwashing)	0.5-1.2 m ³ /h	2.4-5.4 m ³ /h	4.16-9.36 m ³ /h	4.16-9.36 m ³ /h	5.6-12.6 m ³ /h
Influx (Gas-Washing)	0.9 -1.2 Nm ³ /h	4.5 – 9 Nm ³ /h	5 -12 Nm ³ /h	5-12 Nm ³ /h	8-16 Nm ³ /h
Max Resistance to Residual Chlorine			500 mg/L		
Performance					
Max. Residual Chlorine for Influent			200 mg/L		
Max. Turbidity for Influent			300 NTU		
Operating Temperature			5 – 40 °C		
Operating Condition					
pH Tolerance Scope			2 – 11.5		
Design Operation Pressure			0.05 – 0.10 Mpa		
Operation Mode			Dead End Filtration or Cross Flow Filtration		
Back Flush Pressure			0.10 – 0.20 Mpa		
Backwashing Cycle			20 – 60 Min		
Backwashing Time			60 – 120 s		
Chemical Dispersion Cleaning Frequency			1-2 d time or according to influent quantity		
Cleaning time			10- 20 min / time		
			Sodium Hypochlorite 200-500 mg/L		
Cleaning Condition					
Chemical Cleaning Frequency			2 – 4 Months / Time		
Chemical Cleaning Time			4 – 6 Hr / Time		
			Sodium Hypochlorite 1000 – 2000 mg/L		
			Citric Acid 2000 – 4000 mg / L		

FLOW CHART



PRODUCT STRUCTURE



INSTALLATIONS



User Information

- Proper start-up is crucial for the normal operation of the product. User needs to calibrate the equipment and instrumentation's and check raw water quality before the operation to ensure all the parameters have reached the predetermined or required level during commissioning or after long-term shutdown.
- The product should not be frozen or exposed to sunlight for long time under any circumstances as it would cause irreversible damage to the product. Anti-freezing solution needs to be used, if necessary to ensure transportation safety in harsh weather conditions.
- Users should follow each step and procedure on user's manual, any unauthorized design or improper use without written consent of Pure N Safe Water Technologies Pvt. Ltd. would invalidate the warranty.
- In case of poor water quality, the flow to be treated, should be increased slowly to match the setting. We suggest 50% of the designed capacity and 2-24 hours operation initially, in particular for wastewater treatment.
- For further information, please refer to User's Manual

