



UF Membrane Product Specification (UF08-220-55/64)

1. General Description

Model: UF08-220-55/64

Manufacturer: Anhui Cooperate Environment Technology Co., Ltd.

Type: Inside-out Pressurized Hollow Fiber Ultrafiltration (UF) Membrane Module

Application: municipal water, wastewater reuse, RO pretreatment, and industrial process water.

2. Performance Specifications

Item	Specification (UF08-219-55)	Specification (UF08-219-64)
Membrane Material	PES	PES
Nominal Pore Size	0.02 μm	0.02 μm
Effective Membrane Area	55 m ²	64 m ²
Module Dimensions	Φ220 × 1537 mm	Φ220 × 1537 mm
Design Flux (20°C)	50–120 LMH	50–120 LMH
Max. chlorine concentration	500 ppm	500 ppm
Max. Operating Pressure	0.30 MPa	0.30 MPa
Max. Trans-membrane Pressure (TMP)	0.20 MPa	0.20 MPa
Max. Backwash Pressure	0.20 MPa	0.20 MPa
Operating Temperature	1~40 °C	1~40 °C
Operating pH Range	2~13	2~13
Cleaning pH Range	1~13	1~13
Dry Weight	Approx. 34 kg	Approx. 34 kg
Wet Weight	Approx. 66 kg	Approx. 66 kg
Filtration Mode	Dead-end / cross-flow (In)	Dead-end / cross-flow (In)

3. Product Features

- 0.02um pore size produces high quality filtrate
- Direct replacement for Pentair Ultrafiltration membrane
- Inside-out flow, no air scour needed
- Excellent chemical resistance
- Typical permeate SDI<3, turbidity <0.1NTU



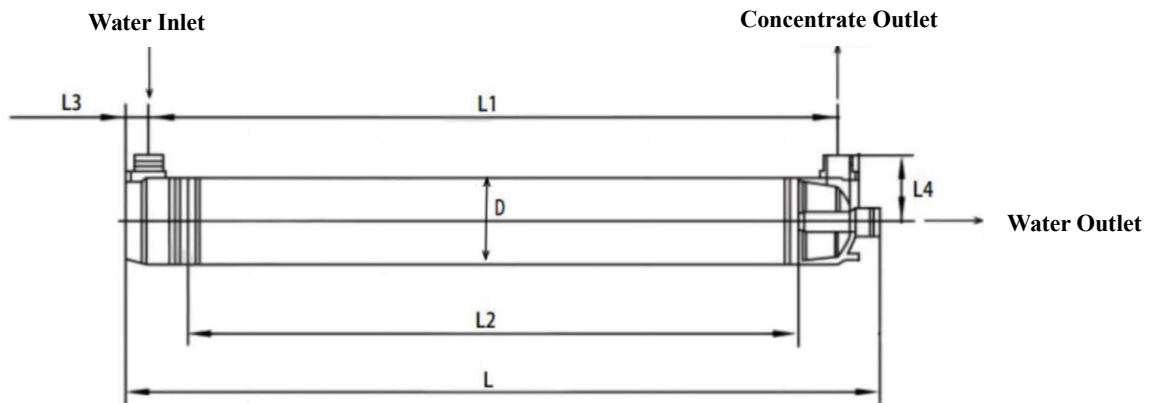
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4. Recommended Operating Conditions

- Inlet turbidity: ≤ 20 NTU
- Backwash duration: 30~60 seconds per cycle
- Air scour flow rate: 0.5~1.0 Nm³/h per module
- Chemical enhanced backwash (CEB): Recommended with NaClO, citric acid, NaOH
- Maintenance cleaning: Periodic soaking with NaClO and acid as needed

5. Mechanical & Structural Parameters

- Module shell: UPVC
- Sealing material: Epoxy resin + EPDM
- Connection port: Standard flange / threaded connector (according to assembly)



UF08-220									
Item	L	L1	L2	L3	L4	D	Inlet	Outlet	Concentrate
(mm)	1901	1738	1538	56	165	220	DN65	DN65	DN65

