



UF Membrane Product Specification (UF09-0860)

1. General Description

Model: UF09-0860

Manufacturer: Anhui Cooperate Environment Technology Co., Ltd.

Type: Out-inside Pressurized Hollow Fiber Ultrafiltration (UF) Membrane Module

Application: Industrial utility water, industrial wastewater reuse, municipal wastewater reuse, municipal drinking water, RO/NF pretreatment.

2. Performance Specifications

Item	Specification
Membrane Material	PVDF
Nominal Pore Size	0.03 μm
Effective Membrane Area	51 m^2
Module Dimensions	$\Phi 225 \times 1863$ mm
Design Flux (20°C)	50–120 LMH
Max. chlorine concentration	2000 ppm
Max. Operating Pressure	0.60 MPa
Max. Trans-membrane Pressure (TMP)	0.20 MPa
Max. Backwash Pressure	0.25 MPa
Operating Temperature	1~40 °C
Operating pH Range	2~11
Cleaning pH Range	2~12
Dry Weight	Approx. 48 kg
Wet Weight	Approx. 83 kg
Filtration Mode	Dead-end / cross-flow (In)

3. Product Features

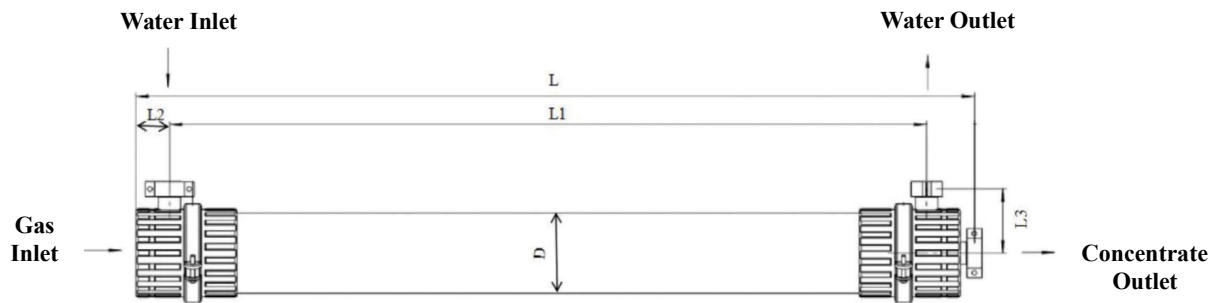
- High strength and excellent flexibility, ensuring long-lasting durability.
- Good hydrophilicity with easy cleaning and wettability, which enables stable performance over the long term
- 0.03 μm nominal pore size effectively removes colloidal particulate, bacteria, and virus.

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)



UF09-0860								
Item	L	L1	L2	L3	D	Inlet	Outlet	Concentrate
(mm)	1860	1630	95	180	225	DN50 Copylin	DN50 Copylin	DN50 Copylin

