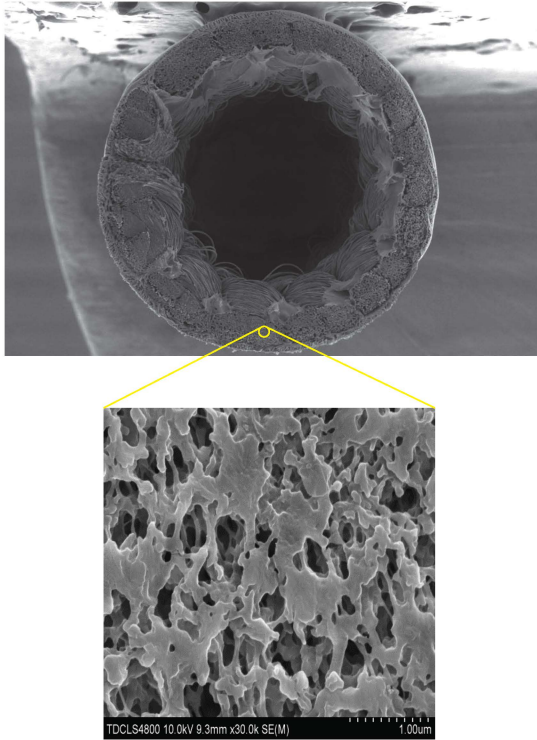
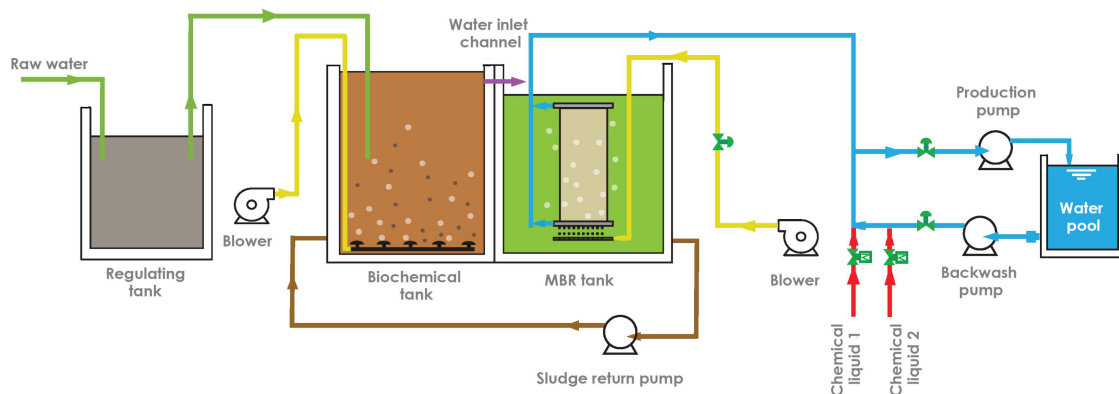


Polyvinylidene Fluoride PVDF UF Membrane Module



Fiber enhanced MBR membrane components from CWT's have following advantages. The hollow fiber membrane has higher mechanical properties, better pressure resistance, and higher permeability through porous structure. Moreover, the membranes have better anti-pollution and hydrophilic properties, and better separation efficiency.

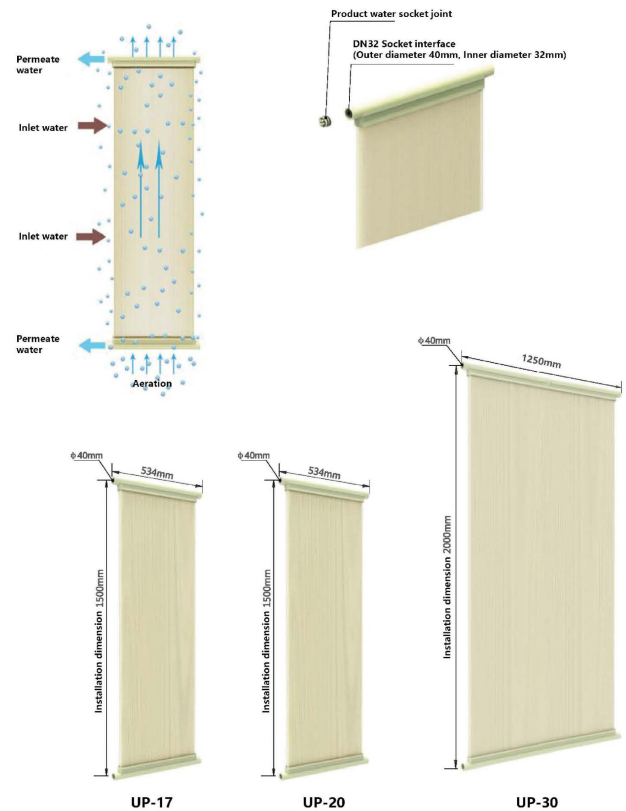
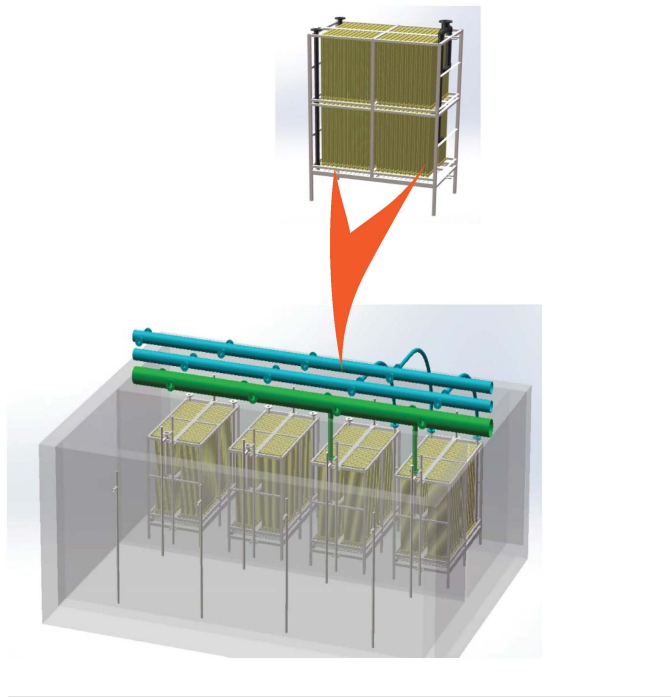
MBR system operation process



The system integrated membrane aeration and backwash system maintains high sludge concentration and organic load, effectively ensuring long-term continuous and stable operation of the MBR system.

MBR membrane frame design of large scale project

- Double membrane frame design, bottom aeration
- Intermittent aeration
- Lowest footprint
- Lowest operating energy consumption



Module Performance Parameters

Module		UP-17	UP-22	UP-30
Module parameters	Material	PVDF		
	Membrane making method	H-TIPS		
	Effective membrane area (m ²)	17	22	30
	Pore size (μm)	0.03		
	Fiber diameter ID/OD (mm)	1.1/2.0		
Module size	Length*Width*Height (mm)	534 x 46 x 1500	534 X 46 X 2000	1250×30×2000
	Connector specification	DN32 Socket interface (Outer diameter 40mm , Inner diameter 32mm)		
Module Weight	Shipping weight (kg)	13	13	20
Operation conditions	Filtration mode	Dead-end filtration or Cross flow		
	Permeate flux (L/m ² ·h)	filtration 15-30		
	TMP range (kPa)	80		
	Instantaneous air flow (Nm ³ /h·piece)	2~6		
	Operational TMP (kPa)	10~60		
	Applicable temperature range (°C)	5~40		
	Applicable sludge concentration (mg/L)	<12000		
Cleaning conditions	Backwash pressuer(m)	<10		
	pH range of doing chemical cleaning	1~13		
Produced water performance	Maximum tolerance concentration of NaClO (ppm)	5000		
	Produced water turbidity (NTU)	<1		