Hollow Fiber Membrane

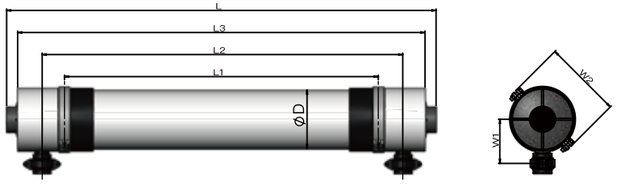
Jiuwu hollow fiber membranes are prepared using high-grade PVDF resin as raw material, based on advanced production processes and hydrophilic modification technology, with a nominal pore size of 30nm. We have developed two modules, Ultrafiltration and MBR, with excellent performance. The product has been widely used in fields such as river purification, reclaimed water reuse, industrial wastewater pretreatment, municipal wastewater treatment, drinking water, and seawater desalination.

Hollow Fiber Membrane—Specification parameters of curtain membrane element

Model	Total Membrane area (m²)	Number of Elements	Material	Size (L*W*H, mm)	Outlet/inlet size	Water treatment capacity (m³/d)
M960	960	48	Top: 304 stainless steel. ABS resin Frame: 304 stainless steel	2600×1400×2410	DN65	190~770
M720	720	36		2000×1400×2410		140~580
E480	480	24		1400×1400×2410		95~380
E240	240	12		1300×1400×2410	DN40	45~190
E180	180	12		1300×700×1910		35~145

Hollow Fiber Membrane—Specification parameters of cylindrical membrane element

Model	Total Membrane area (m²)	L (mm)	L1 (mm)	L2 (mm)	L3 (mm)	D (mm)	W1 (mm)	W2 (mm)
JW™-PVDF-2660	33	1860	1500	1610	1710	165	125	250
JW™-PVDF-2860	51	1860	1500	1630	1820	225	180	342
JW™-PVDF-2880	77	2360	2000	2130	2320	225	180	342



◀ Hollow fiber column membrane module

Technical advantages

- Small membrane pore size and high porosity;
- Excellent pollution resistance;
- Excellent mechanical properties;
- Strong chemical resistance and stability;
- Advanced Packaging Technology;
- Customizable services.

Organic Tubular Membrane

Jiuwu organic tubular membrane is categorized into two types: sintered tubular membrane and non-woven tubular membrane, involving materials such as PVDF, PES, etc. The separation accuracy of the membrane layer covers 10kD~0.2 μm. The inner diameter of membrane tubes, of which non-woven tubular membranes are available in 6mm, 8mm and 10mm, and sintered tubular membranes are available in 8mm, 12.7mm and 25.4mm. The size of the modules are 4-inch, 6-inch and 8-inch, in addition, non-standard membrane module with different materials and specifications can also be customized. The products have been used in processes such as hardness removal of softening, powder cleaning, acidic and alkaline liquid reuse, as well as in applications such as Landfill leachate , reinjection water for oilfield, and plant extraction process.

Advantages of Non-woven Tubular Membrane

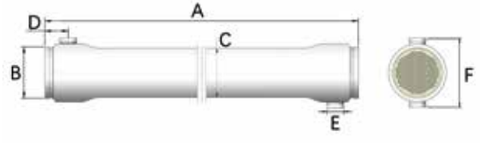
- Double-layer non-woven body to withstand higher operating pressure;
- Uniform ultra-thin separation layer, uniform pore size, high separation accuracy;
- Open flow channel, free of dead corner, strong pollution resistance;
- The flow channel is wide, and the concentration of activated sludge in the influent water can reach 15~30g/L.

Advantages of Sintered Tubular Membrane

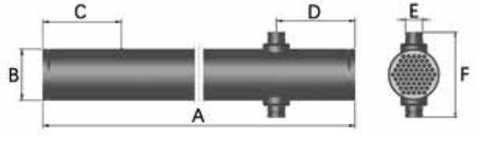
- Special membrane mosaic structure, gived excellent wear resistance;
- Strong anti-pollution, can be backwashed, more stable operation flux;
- Open flow channel for high viscosity, high solids systems;
- Excellent chemical resistance for a wide range of applications, easy to clean.

Typical Tubular Membrane Module Specifications

	Model number	Membrane area (m²)	Membrane tube inner diameter (mm)	Number of Membrane Tubes	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
Non-woven Tubular Membranes	JW-TU-F-8630-F	15.2	8	201	3000	168.3	160	90	60	250
	JW-TU-F-8830-F	27.2	8	365	3000	219.1	210	90	73	330
Sintered Tubular Membrane Advantages	JW-TU-F-12618-P	2.59	12.7	37	1828.8	168.3	337	337	73	282
	JW-TU-F-12818-P	4.25	12.7	61	1828.8	219.1	337	337	73	363



▲ Non-woven tubular membrane



▲ Sintered tubular membrane