



Tubular UF Membrane Module

HWM-TUF30-103E

Product description

- Membrane area: 40m²
- Membrane diameter: 8mm
- Membrane material: PVDF
- Membrane pore size: 30nm
- Housing material: FRP
- Numbers of membrane tube: 531

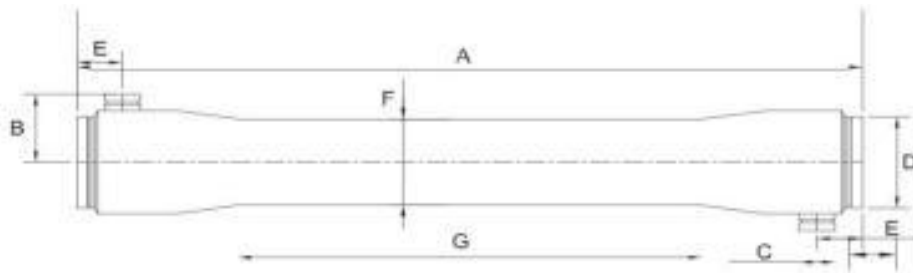
Application Fields

- Landfill leachate
- Material separation: Juice, Beverage
- Industrial wastewater: Coal chemical, Petrochemical wastewater, Pharmaceutical and Fermentation broth clarification
- Semiconductor industry: Grinding wastewater

Operating parameter

Typical Operating pressure	43.5-72.5psi (3.0-5.0bar)
Max.Operating pressure	116psi (8.0 bar)
Min. Outlet pressure	10psi (0.7bar)
Operating temperature	40-140°F (5-60°C)
Cleaning temperature	40-104°F (5-40°C)
pH -Continuous operation	2.0-10.0
pH -CIP cleaning	2.0-12.0
Pressure drop per module	11-14.5psi(0.75-1.0bar)

Module dimension



A: Module length	3000mm	B: Distance, permeate port to module center	180mm
C: Permeate connection	3"/89mm	D: Concentrate connection	10"/273mm
E: Distance, permeate port to module end	150mm	F: Module OD	260mm
G: Point of support	2200mm	Housing material	FRP



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Design parameter

Circulation pump flow rate reference	m ³ /h	400
Recommended flow velocity	m/s	3-5
Design flux	LMH	60-120
Tolerance of sludge concentration	g/L	10-40
Energy consumption,per ton of water	kwh	2-6
Cleaning frequency	week	2-8
Required filtration particle size	μm	800
Weight(dry/filled)	kg	75/200

Storage condition:

Store in a cool, dry, sealed and freeze-proof place, can be stored with 1% sodium bisulfite and glycerol.

Service guidance:

The above are the core parameters of HWM-TUF30-103E tubular UF membrane module, covering the key point such as performance, dimensions, materials, compatibility standards,etc., ensuring you have a clear understanding to the basic configuration of the product. Should you have any further questions to the parameters(e.g., adaptability to specific application, or unmentioned specifications), please feel free to contact HOWIE service team, we will provide one-on-one parameter interpretation and technical support to help you accurately determine whether the product meets your requirements.