



# Tubular UF Membrane Module

## HWM-TUF30-43E

### Product description

- Membrane area: 6.4m<sup>2</sup>
- Membrane diameter: 8mm
- Membrane material: PVDF
- Membrane pore size: 30nm
- Housing material: FRP
- Numbers of membrane tube: 85

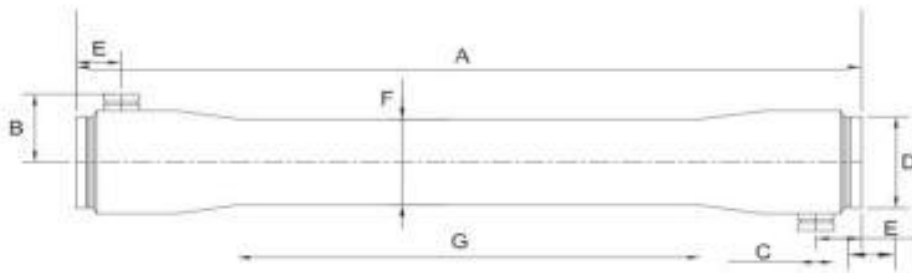
### Application Fields

- 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	100mm
C: Permeate connection	1.5"/48.3mm	D: Concentrate connection	4"/114.3mm
E: Distance, permeate port to module end	80mm	F: Module OD	110mm
G: Point of support	2360mm	Housing material	FRP



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#### Design parameter

Circulation pump flow rate reference	m <sup>3</sup> /h	70
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	15/50

#### Storage condition:

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

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#### Service guidance:

The above are the core parameters of HWM-TUF30-43E 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.