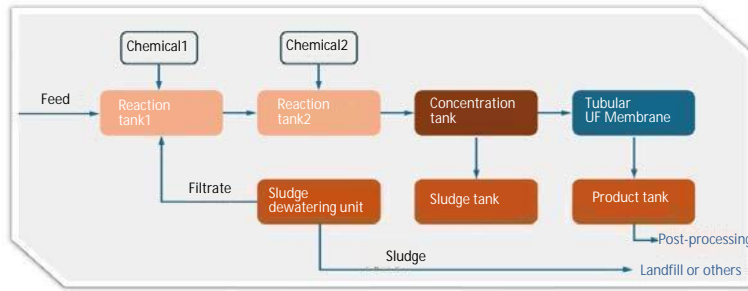




Tubular UF/MF Softening Membrane Series

HOWIE high pH softening tubular membrane is made from special alkali resistant material, it can stable operate in the pH range 2-13, meet the requirements of the conventional softening process with chemical dosing, its unique coating technology ensures the excellent resistance to organic fouling, it can still maintain high permeate flux while ensuring good filtered water quality under the softening treatment process with high organic contaminant.



Product description

Membrane material:	PVDF/PEK
Membrane type:	High pH Alkali-resistant membrane
MWCO:	250,000Da
Housing material:	FRP/SS
Module diameter:	4", 6", 8", 10"

Specification

Model	Membrane ID (mm)	Module OD (inch)	Module length (mm)	Membrane area (m ²)
HWM-TUF30-43R	8.0	4.0	3000	6.4
HWM-TUF30-63R	8.0	6.0	3000	15.2
HWM-TUF30-83R	8.0	8.0	3000	27.2
HWM-TUF30-84R	8.0	8.0	4000	36.7
HWM-TUF30-103R	8.0	10.0	3000	40
HWM-TUF30-104R	8.0	10.0	4000	53.4
HWM-TMF50-37	12.7	6.0	1828.8	2.58
HWM-TMF50-61	12.7	8.0	1828.8	4.25

Operation conditions

Operating pressure:	43.5-72.5psi (3.0-5.0bar)
Max.Operating pressure:	116psi (8.0 bar)
Min.Outlet pressure:	10psi (0.7 bar)
Max.Permeate pressure:	3psi (0.2 bar)
Max.Operating temperature(pH:8):	140°F (60°C)
Max.Cleaning temperature:	140°F (60°C)
pH Continuous operation:	2.0-13.0
pH Chemical cleaning(40°C):	1.0-14.0
Chlorine tolerance:	250,000ppm-h

Design Parameters

Circulation pump flowrate reference:	4"/6"/8"/10" module: 70/150/270/400 ³ /h
Recommended flow velocity:	3-5m/s