



COMEM SILICON CARBIDE CERAMIC MEMBRANE

Designed for removal of suspended
solids as well as oil droplets & oil
emulsions



CoMem – Ceramic Tubular Membranes

Designed for removal of suspended solids as well as oil droplets and oil emulsions.

The high flux CoMem® asymmetric silicon carbide (SiC) ceramic membrane from LiqTech is designed for the removal of suspended solids as well as oil droplets and oil-emulsions from solutions. The element may be operated in crossflow mode and in dead-ended mode with a fast forward flush. The CoMem® elements are designed for cross-flow operation.

Our tubular membranes offer robust and high yield membrane solutions for produced water in the Oil & Gas market and industrial wastewater for removing suspended solids as well as oil droplets and oil emulsions from solutions.

- Market-proven
- Made by filtration experts
- Installed in more than 300+ systems
- Perfect membrane for wastewater

Superior Tubular Ceramic Membrane

FEATURES & BENEFITS

- ✓ Unmatched flux
- ✓ Small footprint
- ✓ Excellent thermal properties
- ✓ Unmatched performance
- ✓ Chemically inert
- ✓ Efficient cleaning
- ✓ Robustness
- ✓ Long service life - less maintenance

APPLICATION AREAS

- ✓ Industrial wastewater
- ✓ Produced water
- ✓ Pre-RO filtration
- ✓ Others

ELEMENT DATA

Configuration	Cylindrical with round channels
Selective membrane material	Silicon Carbide (SiC)
Carrier material	Silicon Carbide (SiC)
Temperature tolerance	Up to 800°C

APPLICATION DATA

Operating pressure	Max 10 bar TMP; recommended below 3 bar TMP
Maximum operating temperature	Determined by system components
Maximum chlorine concentration	Unlimited
pH tolerance	0 – 14
Cleaning	Chlorine, acid, caustic, solvents, oxidizers
Maximum negative TMP	3 bar

FLUX

PRODUCT	Typical flux at 25°C - On non-fouling water @ 1bar
UF Membrane	3 m ³ /(m ² h)
MF Membrane	6 m ³ /(m ² h)
MF Filter*	>10 m ³ /(m ² h)

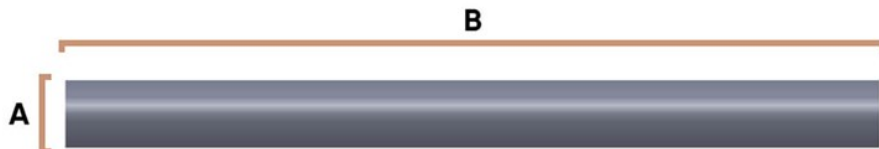
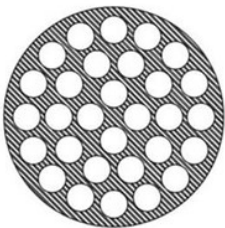
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SPECIFICATION SHEET - COMEM® OD25MM 30 ROUND CHANNELS

Model	Element dimensions A (mm) x B (mm)	Channel dimensions (mm)	Membrane area (m ²)	Feed flow at 2 m/s
COM0250305xxx-03	25±1 x 305±1	Ø3	0.09	1.58 m ³ /h
COM0251016xxx-03	25±1 x 1,016±1	Ø3	0.28	1.58 m ³ /h
COM0251178xxx-03	25±1 x 1,178±1	Ø3	0.33	1.58 m ³ /h

ORDERING DATA

PRODUCT	OD25x305mm	OD25x1016mm	OD25x1178mm
UF Membrane	COM0250305 UF-03	Per Request	COM0251178 UF-03
MF Membrane	COM0250305 MF-03	Per Request	COM0251178 MF-03
MF Filter	COM0250305 MFF-03	Per Request	COM0251178 MFF-03



ORDERING DATA

PRODUCT	OD25x305mm	OD25x1016mm	OD25x1178mm
UF Membrane	COM0250305 UF-17	Per Request	COM0251178 UF-17
MF Membrane	COM0250305 MF-17	Per Request	COM0251178 MF-17
MF Filter	COM0250305 MFF-17	Per Request	COM0251178 MFF-17

We are here to help you