

COMEM® 25mm diameter – round channels

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



The OD25mm elements are available in three different lengths: 305mm, 1,016mm and 1,178mm.

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

SPECIFICATION SHEET - COMEM® OD25MM 31 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	0.30	1.58 m ³ /h
COM0251178xxx-03	25±1 x 1,178±1	Ø3	0.34	1.58 m ³ /h



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

* Carrier only. Symmetric filter. No membrane layer.

ORDERING DATA			
<i>PRODUCT</i>	<i>OD25x305mm</i>	<i>OD25x1016mm</i>	<i>OD25x1178mm</i>
UF Membrane	COM0250305 UF-03	COM0251016 UF-03	COM0251178 UF-03
MF Membrane	COM0250305 MF-03	COM0251016 MF-03	COM0251178 MF-03
MF Filter	COM0250305 MFF-03	COM0251016 MFF-03	COM0251178 MFF-03

Notice: Elements are delivered dry. Handle with care since the material is brittle. LiqTech believes the information and data contained herein to be accurate and useful. The information and data are offered in good faith, but without guarantee, as conditions and methods of use of our products are beyond our control. Liqtech assumes no liability for results obtained or damages incurred through the application of the presented information and data. It is the user's responsibility to determine the appropriateness of LiqTech's products for the user's specific end uses. Specifications are subject to change without notice. N 01/25/10