

## COMEM®

### 25mm diameter

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 different lengths.

ELEMENT DATA	
<b>Configuration</b>	Cylindrical with round channels
<b>Selective membrane material</b>	Silicon carbide (SiC)
<b>Carrier material</b>	Silicon carbide (SiC)
<b>Temperature tolerance</b>	Up to 800°C

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

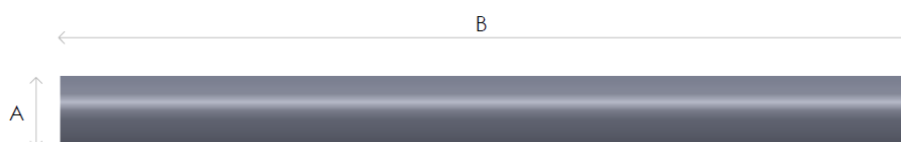
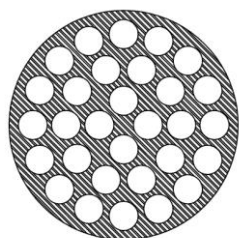
FLUX	
<b>PRODUCT</b>	<b>Typical flux at 25°C - On non-fouling water @ 1bar</b>
UF Membrane	3 m <sup>3</sup> /(m <sup>2</sup> h)
MF Membrane	6 m <sup>3</sup> /(m <sup>2</sup> h)
MF Filter*	>10 m <sup>3</sup> /(m <sup>2</sup> h)

\* Carrier only. Symmetric filter. No membrane layer.

## ID3mm

### SPECIFICATION SHEET - COMEM® OD25MM 30 ROUND CHANNELS

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

**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

## Monotube (ID17mm)

SPECIFICATION SHEET - COMEM® OD25MM				
Monotube				
Model	Element dimensions A (mm) x B (mm)	Channel dimensions (mm)	Membrane area (m <sup>2</sup> )	Feed flow at 2 m/s
COM0250305xxx-17	25±1 x 305±1	Ø17	0.016	1.58 m <sup>3</sup> /h
COM0251016xxx-17	25±1 x 1,016±1	Ø17	0.055	1.58 m <sup>3</sup> /h
COM0251178xxx-17	25±1 x 1,178±1	Ø17	0.063	1.58 m <sup>3</sup> /h



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

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