

COMEM® CONDUIT

146mm diameter – round channels

The high flux CoMem®Conduit 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 elements have permeate conduits which facilitate permeate removal. The element may be operated in cross flow mode or in semi dead-end mode with fast forward flush.

The OD146mm elements are available in 865mm length. Channel dimension is \varnothing 3mm.



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

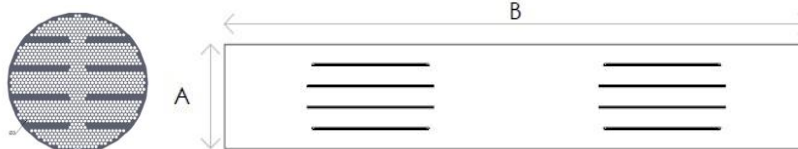
FLUX

Nominal Pore size	Typical flux at 25°C - On non-fouling water @ 1bar
UF membrane	3 m ³ /(m ² h)
MF membrane	4 m ³ /(m ² h)
MF filter	>10 m ³ /(m ² h)

SPECIFICATION SHEET - COMEM® CONDUIT OD146X865

985 ROUND CHANNELS

Model	Element dimensions A (mm) x B (mm)	Channel dimensions (mm)	Membrane area (m ²)	Feed flow at 2 m/s
COM1460865xxx-03	146±1 x 865±1	Ø3	8.02	50 m ³ /h



ORDERING DATA OD146X865

Nominal Pore size	Ø3mm channels
UF membrane	COM1460865-UF
MF membrane	COM1460865-MF
MF filter	COM1460865-MFF

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