



COMEM[®] CONDUIT - CERAMIC MEMBRANE

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



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 **CoMem® Conduit** has conduits cut into the membrane element, which gives a higher flux. The higher flux is achieved by shortening the distance the permeate has to travel to get through the membrane. 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 Ø3mm.

Superior 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

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

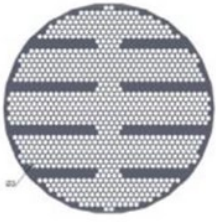
Operating pressure	Max 10 bar TMP; recommended below 3 bar TMP
Maximum operating temperature	Determined by system components
Maximum chlorine concentration	Unlimited
pH tolerance	0 - 14
Cleaning	Chlorine, acid, caustic, solvents, oxidizers
Maximum negative TMP	3 bar

FLUX

Normal pore size	Typical flux at 25°C - On non-fouling water @1 bar
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 - COMOM® 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



A

B



ORDERING DATA OD146X865

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

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