MEMBRANE ELEMENT DATA SHEET — LP-4040

INDUSTRIAL ULTRA LOW PRESSURE REVERSE OSMOSIS MEMBRANE ELEMENT

Performance

Permeate flow:	9.4 m3/day
Salt rejection:	
Nominal	98%
Minimum	97%

Test conditions: 1000 mg/l NaCl, solution at 0.76 MPa applied pressure, temperature 25 °C and recovery of 15%
Stated performance may vary by ± 15% from the data shown

Features

Active membrane area	7.5 m^2
Membrane chemistry	Polyamide thin film composite
Module construction	Spirally wound
Applications	Ultra low pressure demineralisation with feed water TDS less than 1000 mg/l

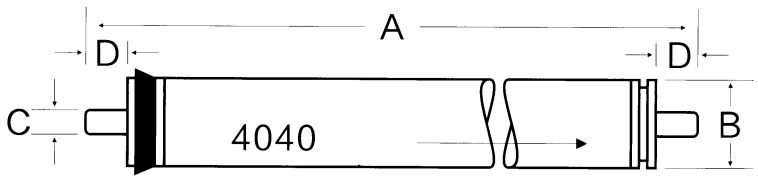
Operating and design information

Typical operating pressure	0.6 – 1.0 MPa
Design flux[1]	10-30 lmh
Maximum operating pressure	4.1 MPa
Maximum feedwater flow per vessel	60.5 l/min
Maximum operating temperature	45 °C
Maximum feed turbidity	1 NTU
Maximum feed SDI (15 minute)	5
Maximum differential pressure per element	70 kPa
Maximum free chlorine	<0.1 mg/l (dechlorination essential)
pH range continuous operation	2 - 11
pH range short term cleaning	2 – 12 (@ 35 °C max)

Sales, service and technical support

Hidrotek industrial reverse osmosis membranes are distributed in the United Kingdom and Ireland by Micro-Membrane Systems Ltd, Unit 6 Unity Court, Unity Road, Bristol BS31 1FU
Tel: +44(0)117 986 1652 info@micromembrane.co.uk

Dimensions



A=1016.0mm(40") B=99.7mm(3.9") C=19.1mm(0.75") D=26.7mm(1.05")

[1] Please contact us for application specific design data