

## MEMBRANE ELEMENT DATA SHEET

## LP-8040

INDUSTRIAL ULTRA-LOW PRESSURE REVERSE OSMOSIS MEMBRANE ELEMENT

<b>Performance</b>	Permeate flow:	37.9 m <sup>3</sup> /day
	Salt rejection:	
	Nominal	98.0%
	Minimum	97.0%

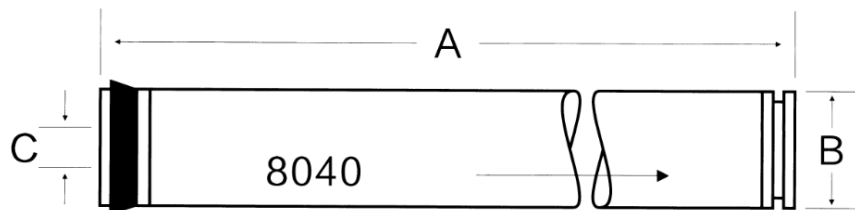
Test conditions: 1000 mg/l NaCl, solution at 0.76 MPa applied pressure, temperature 25 °C and recovery of 15%  
Stated performance may vary by ± 15% from the data shown

<b>Features</b>	Active membrane area	37 m <sup>2</sup>
	Membrane chemistry	Polyamide thin film composite
	Module construction	Spirally wound
	Applications	Ultra-low pressure demineralisation

<b>Operating and design information</b>	Typical operating pressure	0.6 – 1.0 MPa
	Design flux <sup>1</sup>	10 - 30 l/mh
	Maximum operating pressure	4.1 MPa
	Maximum feedwater flow per vessel	284 l/min (17.0 m <sup>3</sup> /hour)
	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  
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### Dimensions



A=1016.0mm(40") B=201.9mm(7.95") C=28.6mm(1.125")

<sup>1</sup> Please contact us for application specific design data

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