

## MEMBRANE ELEMENT DATA SHEET

## HB-4040

INDUSTRIAL HIGH REJECTION REVERSE OSMOSIS MEMBRANE ELEMENT

<b>Performance</b>	Permeate flow:	9.5 m <sup>3</sup> /day
	Salt rejection:	
	Nominal	99.5%
	Minimum	99.0%

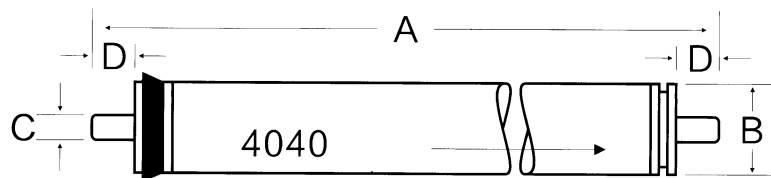
Test conditions: 2000 mg/l NaCl, solution at 1.55 MPa applied pressure, temperature 25 °C and recovery of 15%  
Stated performance may vary by ± 15% from the data shown

<b>Features</b>	Active membrane area	7.5 m <sup>2</sup>
	Membrane chemistry	Polyamide thin film composite
	Module construction	Spirally wound
	Applications	Demineralisation / Mixed bed ion exchange feed

<b>Operating and design information</b>	Typical operating pressure	1.2 – 1.8 MPa
	Design flux <sup>1</sup>	10-30 l/mh
	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  
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### Dimensions



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

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

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