

For large very low pressure systems

Less than 8 Bar operating pressure

Feed TDS less than 1000 mg/l

Product overview

Permatec pure water membranes utilise the latest developments in permeable thin film composite membrane technology. High performing products and quality manufacturing ensure outstanding performance and reliability every time. All Permatec products are configured as industry standard sized spirally wound elements and can be used to retrofit any system operating in the specified pressure range.

This XLP-8040 membrane element is designed for very low pressure systems processing low salinity feed water. It provides the highest permeability of our product range and is especially suited to applications where high production rates are required. It is ideal for the manufacture of pure water for laboratories, aquaria, and a wide range of industrial applications. It is also highly suitable for the treatment of ground and surface water to potable standard, where the removal of salinity, nitrate or pesticides is required. It is manufactured from food grade materials and is approved to drinking water standards by USA regulators NSF.

Product specification

Active membrane area	Permeate flow*	Stabilised salt rejection**	Minimum salt rejection**
440 ft ² (40.9 m ²)	41.6 m ³ /day	99.2%	99.0%

*Test conditions: 500 mg/l NaCl, solution at 0.69 MPa applied pressure, temperature 25 °C, pH 7.5 and recovery of 15%

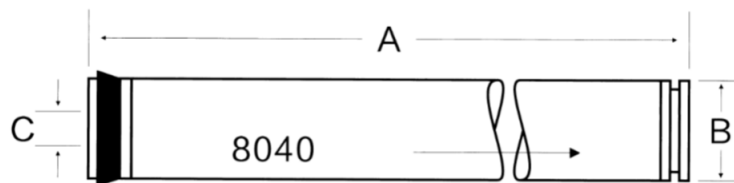
Stated performance may vary by ± 15% from the data shown

**Salt rejection is based on the chloride ion

Operating and design information

Typical operating pressure	0.8 - 1.2 MPa (8-12 Bar)
Maximum operating pressure	4.1 MPa
Maximum feedwater flow per vessel	17.0 m ³ /hour
Maximum operating temperature	45 °C
Maximum feed turbidity	1 NTU
Maximum feed SDI (15 minute)	5
Maximum differential pressure per element	0.1 MPa
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) 1 - 13 (@ 30 °C max)

Dimensions



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

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For further information please see our technical bulletins or visit www.permatec.co.uk.