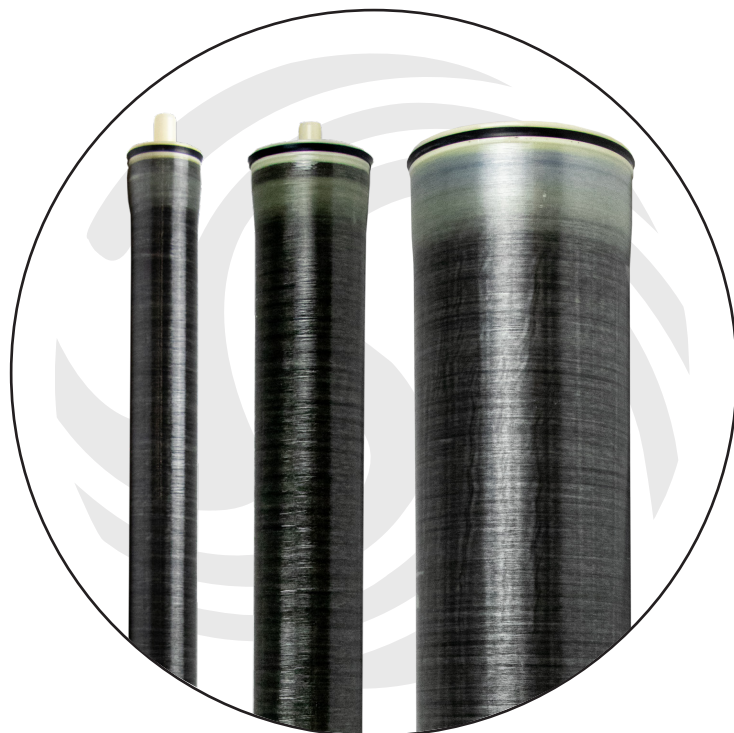


HIGH PRODUCTION

A specialised solution for RO seawater desalination applications. With an impressive average rejection rate up to 99.7%, the ERO-SW membrane ensures a thorough reduction in dissolved solids and salts, delivering purified water of exceptional quality. The anti-fouling layer on SPECTRUM SW Membranes ensures prolonged operational efficiency.

Precision-engineered, this membrane employs advanced permeable technology to effectively remove dissolved solids, separating feed water into purified water and concentrated salts. It is meticulously crafted to meet the stringent demands of desalination processes, providing reliability and efficiency. Improve your seawater treatment system with the precise performance of the SPECTRUM ERO-SW membrane!



FEATURES & BENEFITS



- Average rejection rate of 99.3 to 99.7% for dissolved solids
- Designed to deliver higher permeate flow rates in lower-pressure applications
- Specifically designed to excel in the challenges posed by seawater desalination
- Anti-fouling layer ensures prolonged operational efficiency

MATERIALS OF CONSTRUCTION



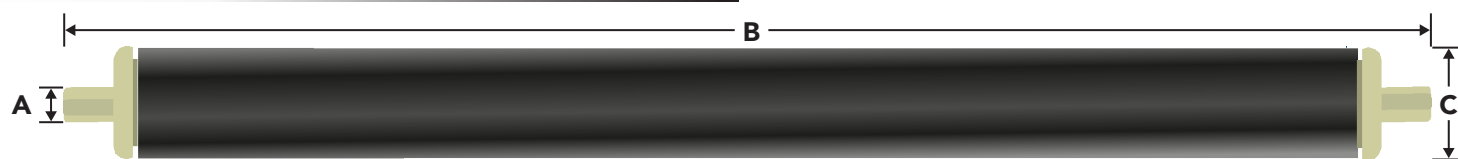
Permeate Tube:	ABS
Feed Channel Spacer:	Polypropylene
Membrane:	Polyamide Thin-Film Composite
Permeate Collection	
Material:	Polyethylene Terephthalate (PET)
Anti-Telescoping	
Device (ATD):	ABS
Outer Wrap:	Fibreglass
Brine Seal:	Buna-N
Interconnector:	ABS
Interconnector	
O-rings:	Buna-N

TECHNICAL DATA



Maximum Operating Temperature (°C)		4 - 45
Maximum Operating Pressure (bar)		69
Minimum Operating Pressure (bar)		55
Maximum Feed Flow Rate (lpm)	2.5"	22
	4"	60
	8"	280
Minimum Feed Flow Rate (lpm)	2.5"	6
	4"	15
	8"	85
Maximum Recommended Recovery (%)		10
pH Range, Continuous Operation		2 - 11
pH Range, Short Term Cleaning		1 - 13
Maximum Feed Silt Density Index		5
Chlorine Tolerance (Total Exposure 2000 mg/l - hours) (mg/l)		<0.1
Maximum Feedwater Turbidity		<1 NTU
Maximum Feedwater Quality (TDS)		45,000 mg/l
Recommended Shelf Life		2 years

DIMENSIONS



Product	Dimensions (")			Active Area ft ² (m ²)
	A	B	C	
ERO-SW-2521	0.75	21	2.4	10 (0.9)
ERO-SW-2540	0.75	40	2.4	26 (2.4)
ERO-SW-4021	0.75	21	3.9	29 (2.7)
ERO-SW-4040	0.75	40	3.9	90 (8.3)
ERO-SW-8040	1.125	40	7.95	400 (37.2)

PERFORMANCE



FLOW RATE



Code	LPH (m ³ /day)	Operating Pressure bar (psi)		Avg Rejection %
ERO-SW-2521	34 (0.8)	@	55 (800)	99.3
ERO-SW-2540	100 (2.4)	@	55 (800)	99.3
ERO-SW-4021	104 (2.5)	@	55 (800)	99.3
ERO-SW-4040	300 (7.2)	@	55 (800)	99.7
ERO-SW-8040	1417 (34)	@	55 (800)	99.7

Testing Criteria:

Permeate flow and rejection based on feedwater of 32000ppm NaCl, 8% recovery (2540, 4040, 8040); 5% recovery (2521, 4021) and 25°C at the specified applied pressure.

Minimum salt rejection 99.5% (4040, 8040). Minimum salt rejection 99% (2521, 2540, 4021).

Permeate flows for individual membranes may vary ±20%

ORDERING GUIDE



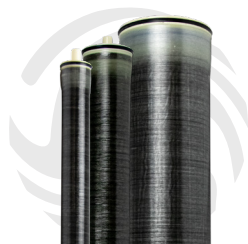
Code	Length (")
ERO-SW	2521, 2540, 4021, 4040, 8040

e.g. ERO-SW-2521

PRODUCT RANGE



The below products have often been associated with this product.



ERO-SW

High production



SRO-SW

High rejection