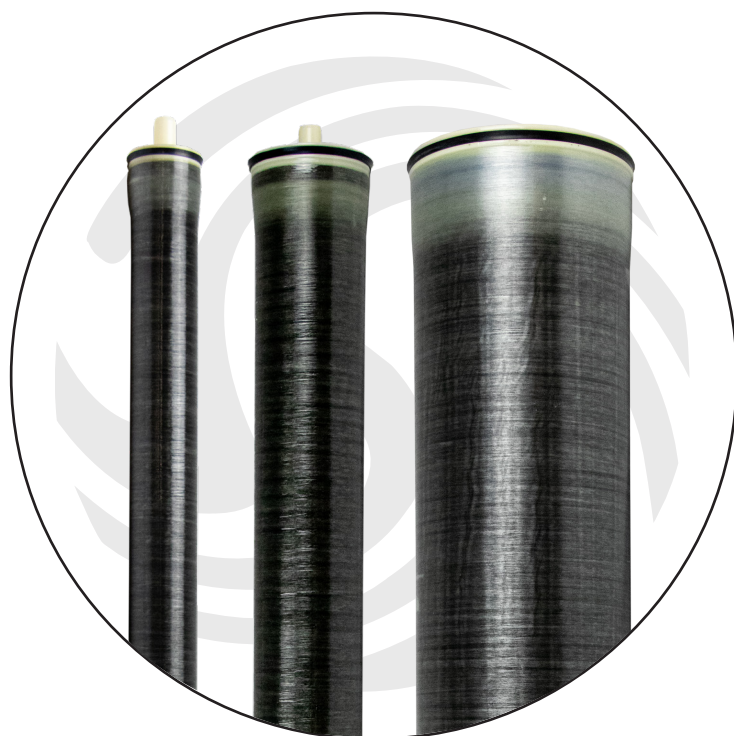


HIGH PRODUCTION, LOWER PRESSURE

With an average rejection rate of 99%, the ERO range of membranes has been designed to deliver higher permeate flow rates in lower pressure applications. Delivering exceptional performance at pressure as low as 6.9 bar, perfectly suited to tap water applications with a feed water concentration typically of 500 mg/l or less. Whilst an optimum balance of performance is achieved at 10.3 bar.



FEATURES & BENEFITS



- Average rejection rate of 99%
- Designed to deliver higher permeate flow rates in lower pressure applications
- Delivering exceptional performance at pressure as low as 6.9 bar
- Perfectly suited to tap water applications with a feed water concentration typically of 500 mg/l or less
- Optimum balance of performance is achieved at 10.3 bar

MATERIALS OF CONSTRUCTION



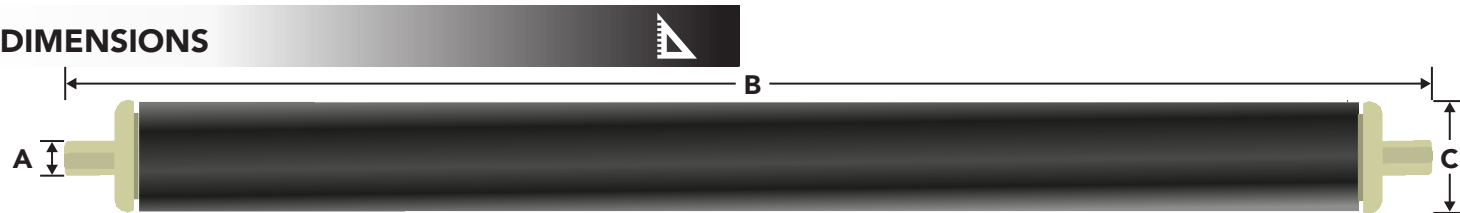
Permeate Tube:	ABS
Feed Channel Spacer:	Polypropylene
Membrane:	Polyamide Thin-Film Composite
Permeate Collection	
Material:	Polyethylene Terephthalate (PET)
Anti-Telescoping	
Device (ATD):	ABS
Outer Wrap:	Fibreglass
Brine Seal:	Buna-N
Interconnector:	ABS
Interconnector	
O-rings:	Buna-N

TECHNICAL DATA



Maximum Operating Temperature (°C)		4 - 45
Maximum Operating Pressure (bar)		41
Minimum Operating Pressure (bar)		6
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 (%)		35
pH Range, Continuous Operation		3 - 10
pH Range, Short Term Cleaning		2 - 12
Maximum Feed Silt Density Index		5.5 SDI
Chlorine Tolerance (Total Exposure 2000 mg/l - hours) (mg/l)		<0.1
Maximum Feedwater Turbidity		<1 NTU
Maximum Feedwater Quality (TDS)		<2,000 mg/l
Recommended Shelf Life		2 years

DIMENSIONS



Product	Dimensions (")			Active Area ft ² (m ²)
	A	B	C	
ERO-2521	0.75	21	2.4	14 (1.3)
ERO-2540	0.75	40	2.4	30 (2.8)
ERO-4021	0.75	21	3.9	36 (3.3)
ERO-4040	0.75	40	3.9	90 (8.3)
ERO-8040	1.125	40	7.95	365 (33.9)
ERO-8040-HF	1.125	40	7.95	400 (37.2)

PERFORMANCE



FLOW RATE



Code	LPH (m ³ /day)		Operating Pressure bar (psi)	Avg Rejection %
ERO-2521	47 (1.1)	@	10.3 (150)	99
ERO-2540	118 (2.8)	@	10.3 (150)	99
ERO-4021	189 (4.5)	@	10.3 (150)	99
ERO-4040	410 (9.8)	@	10.3 (150)	99
ERO-8040	1609 (38.9)	@	10.3 (150)	99
ERO-8040-HF	1767 (42.4)	@	10.3 (150)	99

Testing Criteria:

Permeate flow and rejection based on feedwater of 1500 ppm NaCl, 15% recovery (2540, 4040, 8040); 8% recovery (2521, 4021) and 25°C at the specified applied pressure.

Minimum salt rejection 97.5%

Permeate flows for individual membranes may vary ±20%

ORDERING GUIDE



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

e.g. ERO-2521

PRODUCT RANGE



The below products have often been associated with this product.

