

DuraSlick® RO series

low fouling RO elements

DuraSlick® RO is a family series of membrane elements engineered for use with fouling-prone brackish water applications and industrial effluent treatment before reuse or discharge. DuraSlick RO features a proprietary thin-film innovative low fouling membrane, providing higher hydrophilicity, a smoother membrane surface and lower membrane charge.

Retrofitting existing systems with the DuraSlick RO will extend operating time between required cleanings, which in turn reduces downtime and expenditures on required chemicals.

Table 1: Element Specification

Membrane	Thin-film membrane (TFM®)
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Model	Average permeate flow gpd (m³/day) ^{1,2}	Average NaCl rejection ^{1,2}	Minimum NaCl rejection ^{1,2}
DuraSlick RO2540	750 (2.8)	99.5%	99.0%
DuraSlick RO4040	2,300 (8.7)	99.5%	99.0%
DuraSlick RO8040	10,000 (37.9)	99.5%	99.0%

¹ Average salt rejection after 24 hours operation. Individual flow rate may vary ±20%.

² Testing conditions: 2,000 ppm NaCl solution at 225 psig (1,551 kPa) operating pressure, 77°F (25°C), pH 7.5 and 15% recovery.

Model	Spacer mil (mm)	Active area ft² (m²)	Outer wrap	Part number
DuraSlick RO2540	35 (0.89)	28 (2.6)	Fiberglass	1231055
DuraSlick RO4040	35 (0.89)	85 (7.9)	Fiberglass	1231048
DuraSlick RO8040	35 (0.89)	370 (34.4)	Fiberglass	1231014

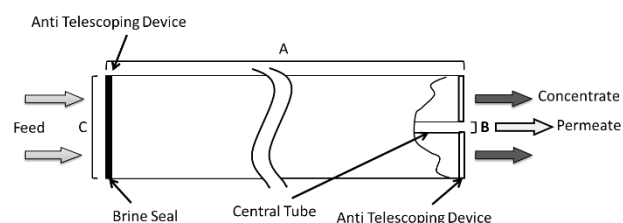


Figure 1: Element Dimensions Diagram - 8040

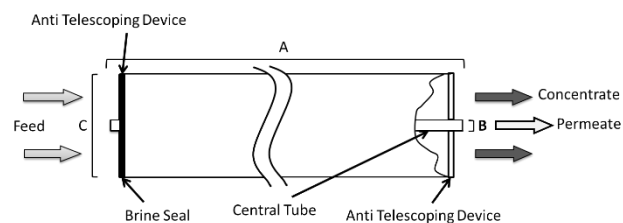


Figure 2: Element Dimensions Diagram - 2540 & 4040

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Table 2: Dimensions and Weight

Model'	Type	Dimensions, inches (cm)			Boxed Weight lbs (kg)
		A	B	C	
DuraSlick RO2540	Male	40.0 (101.6)	0.75 (1.9)	2.4 (6.1)	7 (3)
DuraSlick RO4040	Male	40.0 (101.6)	0.75 (1.9)	3.9 (9.9)	11 (5)
DuraSlick RO8040	Fe-male	40.0 (101.6)	1.125 (2.86)	7.9 (20.0)	35 (16)

Table 3: Operating and CIP parameters

Typical Operating Pressure	200psi (1,379 kPa)
Typical Operating Flux	10-15GFD (15-25LMH)
Maximum Operating Pressure	600psi (4,137 kPa)
Maximum Temperature	Continuous Operation: 122°F (50°C) Clean-In-Place: 122°F (50°C)
pH Range	Continuous Operation: 2.0 – 11.0 Clean-In-Place (CIP): 1.0 – 13 ¹
Maximum Pressure Drop	Over an element: 12psi (83 kPa) Per housing: 50psi (345 kPa)
Chlorine Tolerance	1000 ppm x hrs, dechlorination recommended
Feedwater	NTU < 1 SDI ₁₅ < 5

¹ Please refer to Cleaning Guidelines Technical Bulletin TB1194EN

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