PRODUCT SPECIFICATION

8.5" CA RO Element Series

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Model	Permeate flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
8540-SB50-TSA	10,000 (37.0)	95.00	92.50

Performance is based on the following test conditions: 2,000.0 ppm NaCl, 420.0 psi, 25°C, 15% recovery, pH 5.5, 30 minutes operation.

OPERATIONAL AND DESIGN DATA

Membrane Type.....	SB Cellulose Acetate Blend
Configuration.....	Spiral Wound,Fiberglass Outer Wrap
Active Membrane Area.....	440 ft² (40.4 m²)
Recommended Applied Pressure.....	200 - 500 psi (14 - 34 bar)
Maximum Applied Pressure.....	600 psi (41 bar)
Recommended Operating Temperature.....	50 - 90°F (10 - 32°C)
Feedwater pH Range.....	5.5 nominal, 4 - 7
Chlorine Tolerance.....	0.5 ppm nominal, 1.0 ppm max
Maximum Feed Flow.....	80 GPM (18 m3/hr)
Minimum Brine Flow/Permeate Flow Ratio....	5:1
Maximum SDI (15 minutes)	5.0
Maximum Turbidity.....	1 NTU



Element Weight : 50 (23)
Length (**A**) : 40.0 (1,016) Diameter (**B**) : 8.5 (215) Permeate Tube **(C) :** 1.50 (38.1)
Units in pounds and inches, units in paranthesis in kilograms and millimetes.
Mechanical Configuration: TriSep Style Core Tube
Feed Spacer: 0.031" thick diamond spacer

* Permeate flow is clean water flux at standard conditions above. Not applicable for all feedwater conditions. Individual element's permeate flow may vary +/- 15%.



Engineered Membrane SOLUTIONS