# PRODUCT SPECIFICATION

## 8.5" CA RO Element Series

| Model | Permeate flow GPD (m3/day)* | Average Salt Rejection (%) | Minimum Salt Rejection (%) |
|---|---|---|---|
| 8540-SB20-TSA | 8,400 (31.0) | 98.00 | 97.00 |

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**

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