



The Specialty Membrane Company

## PRODUCT SPECIFICATION

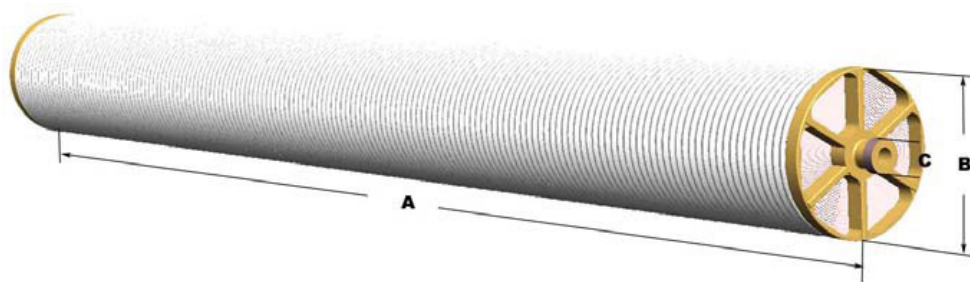
### 3.8" Continuous High Temperature RO Element

| Model                                | Permeate Flow<br>GPD (m <sup>3</sup> /day)* | Average Salt<br>Rejection (%) | Minimum Salt<br>Rejection (%) |
|--------------------------------------|---------------------------------------------|-------------------------------|-------------------------------|
| <b>TurboClean® High Temp RO-3838</b> | 1,100 (4.2)                                 | 99.5                          | 98.5                          |

\* Performance is based on the following test conditions: 2,000 ppm NaCl, 225 psi, 77°F (25°C), 15% recovery, pH 8.0, 30 minutes operation. Individual element permeate flow may vary +25% / -15%.

#### OPERATIONAL AND DESIGN DATA

|                                    |                                                              |
|------------------------------------|--------------------------------------------------------------|
| Membrane Type .....                | ACM Fully Aromatic Polyamide Advanced Composite Membrane     |
| Configuration .....                | Continuous High Temperature, Sanitary Style Element          |
| Active Membrane Area .....         | 42 ft <sup>2</sup> (3.9 m <sup>2</sup> )                     |
| Typical Applied Pressure .....     | 50 - 200 psi (3 - 14 bar)                                    |
| Maximum Applied Pressure .....     | 300 psi (20 bar) @ 158°F (70°C)                              |
| Maximum Operating Temperature..... | 176°F (80°C)                                                 |
| Feed pH Range .....                | 3 - 9 continuous                                             |
| Chlorine Tolerance .....           | <0.1 ppm                                                     |
| Maximum Feed Flow .....            | 30 GPM (6.8 m <sup>3</sup> /hr)                              |
| Maximum Pressure Drop @ 50°C.....  | 15 psi (1 bar) per element; 60 psi (4 bar) across housing    |
| Maximum Pressure Drop @ 70°C.....  | 5 psi (0.3 bar) per element; 20 psi (1.4 bar) across housing |



|                 |                                                                        |                            |                                    |
|-----------------|------------------------------------------------------------------------|----------------------------|------------------------------------|
| Element Weight: | 9 lbs. (4 kg)                                                          |                            |                                    |
| Length (A):     | 38.00" (965 mm)                                                        | Diameter (B): 3.8" (96 mm) | Permeate Tube (C): 0.83" (21.2 mm) |
| Permeate Tube:  | Polysulfone Sanitary Style tube; ATD/coupler not included with element |                            |                                    |



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SOLUTIONS**

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