



The Specialty Membrane Company

PRODUCT SPECIFICATION

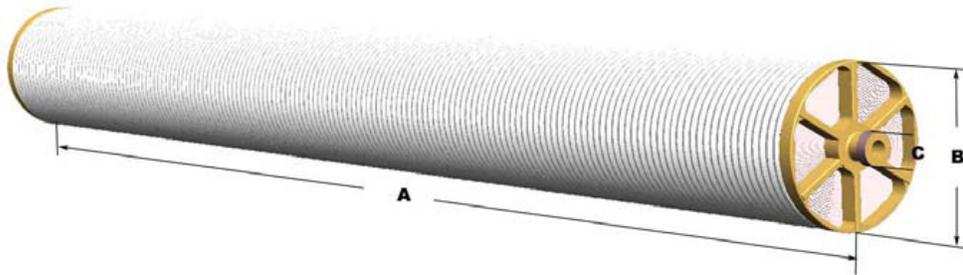
3.8" Continuous High Temperature RO Element

| Model | Permeate Flow GPD (m ³ /day)* | Average Salt Rejection (%) | Minimum Salt Rejection (%) |
|--------------------------------------|---------------------------------------------|-------------------------------|-------------------------------|
| TurboClean® High Temp RO-3838 | 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 ² (3.9 m ²) |
| 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 ³ /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



Engineered Membrane
SOLUTIONS

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