



# PRODUCT SPECIFICATION

**LENNTECH**

info@lennotech.com  
 www.lennotech.com  
 Tel. +31-152-610-900  
 Fax +31-152-616-289

## 8" ACM RO Element Series

| Model         | Permeate flow<br>GPD (m3/day)* | Average Salt<br>Rejection (%) | Minimum Salt<br>Rejection (%) |
|---------------|--------------------------------|-------------------------------|-------------------------------|
| 8040-ACM3-UWA | 12,000 (45.0)                  | 99.20                         | 98.50                         |

Performance is based on the following test conditions: 2,000.0 ppm NaCl, 225.0 psi, 25°C, 15% recovery, pH 8.0, 30 minutes operation.

### OPERATIONAL AND DESIGN DATA

|  |  |
|--|--|
| Membrane Type.....                         | ACM Fully Aromatic Polyamide Advanced Composite Membrane |
| Configuration.....                         | Spiral Wound, Fiberglass Outer Wrap                      |
| Active Membrane Area.....                  | 400 ft <sup>2</sup> (37.2 m <sup>2</sup> )               |
| Recommended Applied Pressure.....          | 100 - 300 psi (7 - 21 bar)                               |
| Maximum Applied Pressure.....              | 600 psi (41 bar)   |
| Recommended Operating Temperature.....     | 35 - 113°F (2 - 45°C)                                    |
| Feedwater pH Range.....                    | 2 - 11 continuous  |
| Chlorine Tolerance.....                    | <0.1 ppm   |
| Maximum Feed Flow.....                     | 80 GPM (18 m3/hr)  |
| Minimum Brine Flow/Permeate Flow Ratio.... | 5:1  |
| Maximum SDI ( 15 minutes) .....            | 4.0  |
| Maximum Turbidity.....                     | 1 NTU  |



Element Weight : 50 (23)  
 Length (A) : 40.0 (1,016)    Diameter (B) : 7.9 (200)    Permeate Tube (C) : 1.50 (38.1)  
 Units in pounds and inches, units in paranthesis in kilograms and millimetres.  
 Mechanical Configuration: TriSep Style Core Tube  
 Feed Spacer: 0.028" 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**  
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