



# PRODUCT SPECIFICATION

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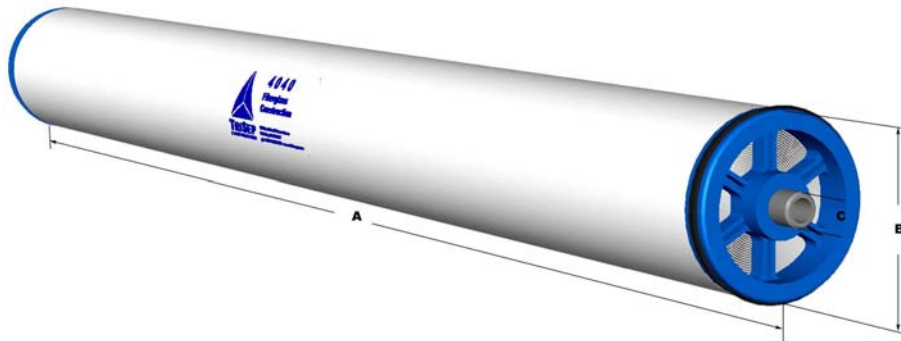
## 4" AUM Ultrafiltration Element Series

| Model         | Permeate flow<br>GPD (m3/day)* | M.W.C.O. |
|---------------|--------------------------------|----------|
| 4040-UE50-QSF | 4,400 (16.0)                   | 100,000  |

Performance is based on the following test conditions: 500.0 ppm Dextran, 30.0 psi, 25°C, 15% recovery, pH 8.0, 30 minutes operation.

### OPERATIONAL AND DESIGN DATA

|                                            |                                          |
|--------------------------------------------|------------------------------------------|
| Membrane Type.....                         | AUM Advanced Ultrafiltration Membrane    |
| Configuration.....                         | Spiral Wound, Fiberglass Outer Wrap      |
| Active Membrane Area.....                  | 80 ft <sup>2</sup> (7.3 m <sup>2</sup> ) |
| Recommended Applied Pressure.....          | 20 - 200 psi (1.4 - 14 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.....                    | 10.0 ppm                                 |
| Maximum Feed Flow.....                     | 20 GPM (4.5 m <sup>3</sup> /hr)          |
| Minimum Brine Flow/Permeate Flow Ratio.... | 5:1                                      |
| Maximum SDI ( 15 minutes) .....            | 5.0                                      |
| Maximum Turbidity.....                     | 1 NTU                                    |



Element Weight : 15 (7)  
Length (A) : 40.0 (1,016) Diameter (B) : 4.0 (101) Permeate Tube (C) : 0.75 (19.1)  
Units in pounds and inches, units in paranthesis in kilograms and millimetres.  
Mechanical Configuration: Filmtec 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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