



## PRODUCT SPECIFICATION

### TurboClean® RO Element For Beverage Applications

| Model                          | Permeate Flow*                   | Average Salt Rejection | Minimum Salt Rejection |
|--------------------------------|----------------------------------|------------------------|------------------------|
| <b>TurboClean® Bev 8040-RO</b> | 9,400 GPD (36 m <sup>3</sup> /d) | 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 +/- 15%.

#### OPERATIONAL AND DESIGN DATA

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Membrane Type                 | ACM Fully Aromatic Polyamide Advanced Composite Membrane  |
| Configuration                 | Spiral Wound, Sanitary Style Element                      |
| Active Membrane Area          | 355 ft <sup>2</sup> (32.6 m <sup>2</sup> )                |
| Typical Applied Pressure      | 150 - 300 psi (10 - 21 bar)                               |
| Maximum Applied Pressure      | 600 psi (41 bar)                                          |
| Maximum Operating Temperature | 113°F (45°C)                                              |
| Feed pH Range                 | 2 - 11 continuous                                         |
| Chlorine Tolerance            | <0.1 ppm                                                  |
| Maximum Feed Flow             | 80 GPM (18 m <sup>3</sup> /hr)                            |
| Maximum Pressure Drop         | 15 psi (1 bar) per element; 60 psi (4 bar) across housing |
| Maximum SDI (15 minutes)      | 5.0                                                       |
| Maximum Turbidity             | 1 NTU                                                     |
| Application                   | Water Purification for Beverages                          |
| Part Number                   | 168091861                                                 |
| Replaces Models               | 8040-M2E6T6                                               |



|                 |                             |                    |                  |
|-----------------|-----------------------------|--------------------|------------------|
| Element Weight: | 50 lbs. (23 kg)             |                    |                  |
| Length (A):     | 40.06 (1,016 mm)            | Diameter (B):      | 7.96 (200 mm)    |
| Permeate Tube:  | FilmTec Style tube          | Permeate Tube (C): | 1.1256 (28.6 mm) |
| Feed Spacer:    | 0.031" thick diamond spacer |                    |                  |



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