



The Specialty Membrane Company

## PRODUCT SPECIFICATION

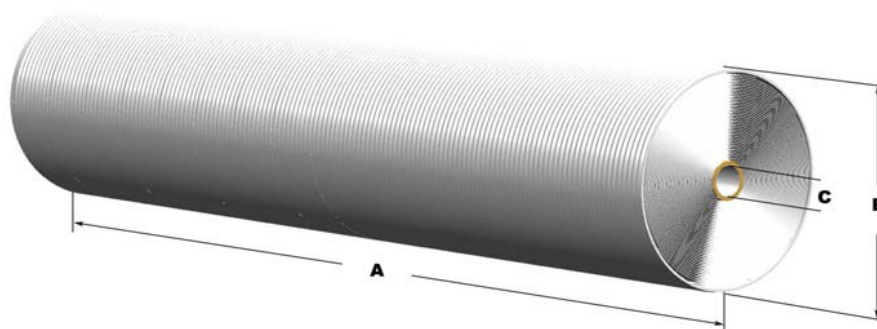
### 8" TS40 NF TurboClean® Sanitary Element

| Model                              | Average Salt Rejection (%)* | Minimum Salt Rejection (%) |
|------------------------------------|-----------------------------|----------------------------|
| <b>TurboClean® NF 8038-TS40-46</b> | 99.0                        | 98.0                       |

\* Performance is based on the following test conditions: 2,000 ppm MgSO<sub>4</sub>, 110 psi, 77°F (25°C), 15% recovery, pH 8.0, 30 minutes operation.

#### OPERATIONAL AND DESIGN DATA

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| Membrane Type .....                 | TS40 Polypiperazine Amide Nanofiltration Membrane         |
| Configuration .....                 | Spiral Wound, Sanitary Element                            |
| Active Membrane Area .....          | 290 ft <sup>2</sup> (27 m <sup>2</sup> )                  |
| Typical Applied Pressure .....      | 200 - 400 psi (14 - 28 bar)                               |
| Maximum Applied Pressure .....      | 600 psi (41 bar)                                          |
| Maximum Operating Temperature ..... | 122°F (50°C)                                              |
| Feed pH Range .....                 | 3 - 10 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 |



|                 |                                                                   |                             |                                     |
|-----------------|-------------------------------------------------------------------|-----------------------------|-------------------------------------|
| Element Weight: | 36 lbs. (16 kg)                                                   |                             |                                     |
| Length (A):     | 38.0" (965 mm)                                                    | Diameter (B): 7.9" (200 mm) | Permeate Tube (C): 1.125" (28.6 mm) |
| Permeate Tube:  | Polysulfone tube; Interconnect and ATDs not included with element |                             |                                     |
| Feed Spacer:    | 0.046" thick diamond spacer                                       |                             |                                     |



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