



## PRODUCT SPECIFICATION

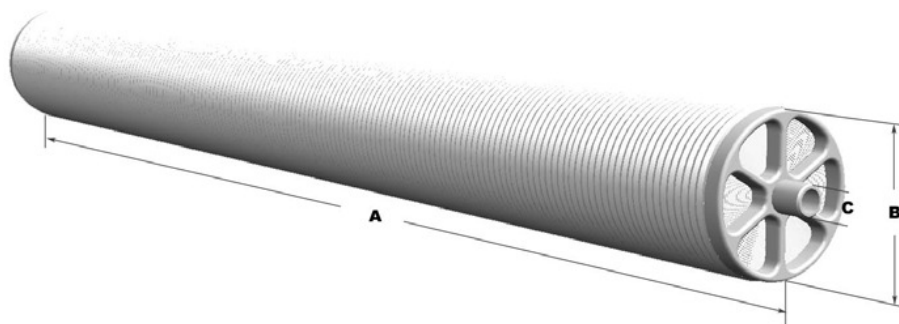
### Low Fouling RO TurboClean® Element For Dialysis and High-Purity Applications

| Model                            | Permeate Flow*                    | Average Salt Rejection | Minimum Salt Rejection |
|----------------------------------|-----------------------------------|------------------------|------------------------|
| <b>TurboClean® HP 4040-X20-M</b> | 2,400 GPD (9.1 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 +25% / -15%.

#### OPERATIONAL AND DESIGN DATA

|                                     |                                                           |
|-------------------------------------|-----------------------------------------------------------|
| Membrane Type .....                 | X-20™ Polyamide-Urea Advanced Composite Membrane          |
| Configuration .....                 | Spiral Wound, Sanitary Style Element                      |
| Active Membrane Area .....          | 80 ft <sup>2</sup> (7.4 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 .....             | 20 GPM (4.5 m <sup>3</sup> /hr)                           |
| Maximum Pressure Drop .....         | 15 psi (1 bar) per element; 60 psi (4 bar) across housing |
| Maximum Feed SDI (15 minutes) ..... | 5.0                                                       |
| Maximum Feed Turbidity .....        | 1 NTU                                                     |
| Application .....                   | High Purity Water                                         |



|                 |                                   |                    |                |
|-----------------|-----------------------------------|--------------------|----------------|
| Element Weight: | 15 lbs. (7 kg)                    |                    |                |
| Length (A):     | 40.0" (1,016 mm)                  | Diameter (B):      | 4.0" (101 mm)  |
| Permeate Tube:  | FilmTec Style tube; "Male" design | Permeate Tube (C): | 0.75" (19.1mm) |
| Feed Spacer:    | 0.031" thick diamond spacer       |                    |                |



**Engineered Membrane  
SOLUTIONS**

**LENNTECH**

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