



# PRODUCT SPECIFICATION

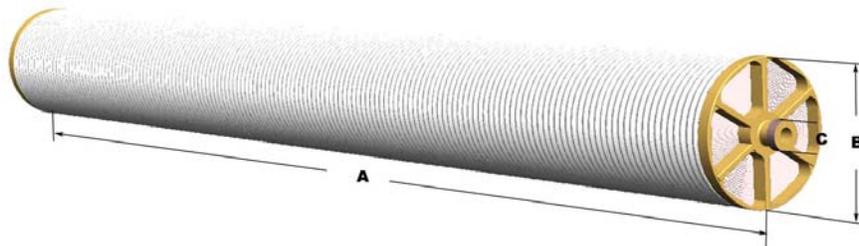
## 3.8" XN45 TurboClean® Element

Model	Permeate flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 3840-XN45-31	1,750 (6.0)	95.00	92.00

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

### OPERATIONAL AND DESIGN DATA

Membrane Type.....	XN45 Polyamide Advanced Nanofiltration Membrane
Configuration.....	Spiral Wound, Sanitary Element
Active Membrane Area.....	70 ft <sup>2</sup> (6.4 m <sup>2</sup> )
Recommended Applied Pressure.....	Not applicable
Maximum Applied Pressure.....	600 psi (41 bar)
Maximum Operating Temperature.....	35 - 122°F (2 - 50°C)
Feedwater pH Range.....	2 - 11 continuous
Chlorine Tolerance.....	<0.1 ppm
Maximum Feed Flow.....	20 GPM (4.5 m3/hr)
Minimum Brine Flow/Permeate Flow Ratio....	5:1
Model Number Formerly.....	3840-N2D9U8
Application.....	Process



Element Weight : 15 (7)  
 Length (A) : 38.75 (984)      Diameter (B) : 3.8 (96)      Permeate Tube (C) : 0.83 (21.2)  
 Units in pounds and inches, units in paranthesis in kilograms and millimeters.      Dim "A" does not include ATD.  
 Mechanical Configuration: Sanitary Style Core Tube      ATD not included with element  
 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%.



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