



PRODUCT SPECIFICATION

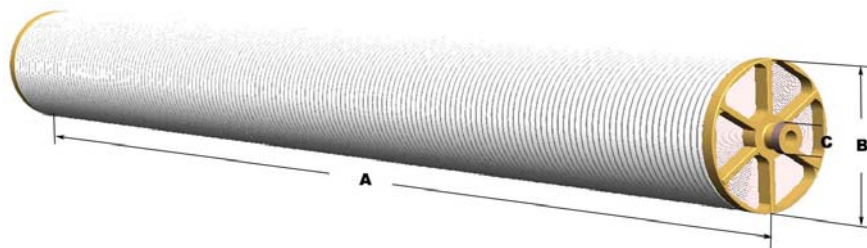
3.8" XN45 TurboClean® Element

Model	Permeate flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 3838-XN45-31	1,700 (6.0)	95.00	92.00

Performance is based on the following test conditions: 2,000 ppm MgSO₄, 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 ² (6.4 m ²)
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 m ³ /hr)
Minimum Brine Flow/Permeate Flow Ratio....	5:1
Model Number Formerly.....	3838-N2D8U8
Application.....	Process



Element Weight : 15 (7)
 Length (A) : 38.00 (965) 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%.



Engineered Membrane
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