



# PRODUCT SPECIFICATION

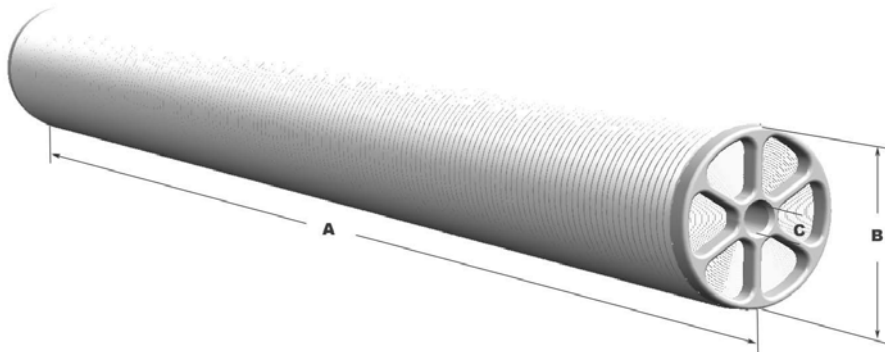
## 4" TS80 High Temperature Turboclean Element

Model	Permeate flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
4040-M7E5U8	1,900 (7.0)	99.00	97.00

Performance is based on the following test conditions: 2,000.00 ppm MgSO<sub>4</sub>, 110.00 psi, 25°C, 15% recovery, pH 8.00, 30 minutes operation.

### OPERATIONAL AND DESIGN DATA

Membrane Type.....	ANM Aromatic Polyamide Advanced Nanofiltration Membrane
Configuration.....	Spiral Wound, High Temperature Turboclean Shell
Active Membrane Area.....	85 ft <sup>2</sup> (7.9 m <sup>2</sup> )
Recommended Applied Pressure.....	40 - 200 psi (3 - 14 bar)
Maximum Applied Pressure.....	600 psi (41 bar)
Recommended Operating Temperature.....	35 - 140°F (2 - 60°C)
Feedwater pH Range.....	2 - 11 continuous
Chlorine Tolerance.....	<0.1 ppm
Maximum Feed Flow.....	20 GPM (4.5 m <sup>3</sup> /hr)
Minimum Brine Flow/Permeate Flow Ratio....	5:1
Maximum SDI ( 15 minutes) .....	5.0
Maximum Turbidity.....	1 NTU
Application.....	Beer Dealcoholization



Element Weight : 15 (7)  
 Length (A) : 40.00 (1,016)    Diameter (B) : 4.00 (101)    Permeate Tube (C) : 0.62 (15.9)  
 Units in pounds and inches, units in paranthesis in kilograms and millimetres.  
 Mechanical Configuration: Desal/DuPont Style Core Tube  
 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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