



# PRODUCT SPECIFICATION

**LENNTECH**

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## 8" TS80 Nanofiltration Element Series

Model	Permeate flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
8040-TS83-TSA	10,000 (37.0)	98.50	97.00

Performance is based on the following test conditions: 2,000.0 ppm MgSO4, 110.0 psi, 25°C, 15% recovery, pH 8.0, 30 minutes operation.

### OPERATIONAL AND DESIGN DATA

Membrane Type.....	ANM Aromatic Polyamide Advanced Nanofiltration Membrane
Configuration.....	Spiral Wound, Fiberglass Outer Wrap
Active Membrane Area.....	365 ft <sup>2</sup> (33.5 m <sup>2</sup> )
Recommended Applied Pressure.....	40 - 200 psi (3 - 14 bar)
Maximum Applied Pressure.....	600 psi (41 bar)
Recommended Operating Temperature.....	35 - 113°F (2 - 45°C)
Feedwater pH Range.....	2 - 11 continuous
Chlorine Tolerance.....	<0.1 ppm
Maximum Feed Flow.....	80 GPM (18 m3/hr)
Minimum Brine Flow/Permeate Flow Ratio....	5:1
Maximum SDI ( 15 minutes) .....	5.0
Maximum Turbidity.....	1 NTU



Element Weight : 45 (20)  
 Length (A) : 40.0 (1,016)    Diameter (B) : 7.9 (200)    Permeate Tube (C) : 1.50 (38.1)  
 Units in pounds and inches, units in paranthesis in kilograms and millimetres.  
 Mechanical Configuration: TriSep 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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