# PRODUCT SPECIFICATION

## 2.5" XN45 Nanofiltration Element Series

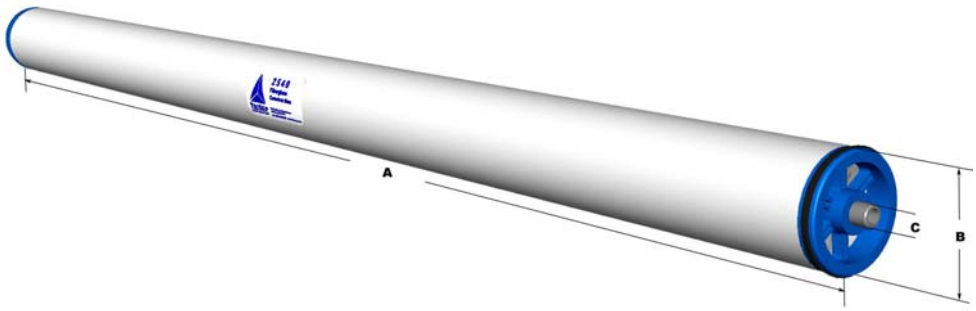
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| Model | Permeate flow GPD (m3/day)* | Average Salt Rejection (%) | Minimum Salt Rejection (%) |
|---|---|---|---|
| 2540-XN45-TSF | 600 (2.0) | 95.00 | 92.50 |

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..... | XN45 Polyamide Advanced Nanofiltration Membrane |
| Configuration..... | Spiral Wound,Fiberglass Outer Wrap |
| Active Membrane Area..... | 26 ft² (2.4 m²) |
| 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..... | 0.5 ppm nominal, 1.0 ppm max |
| Maximum Feed Flow..... | 6 GPM (1.4 m3/hr) |
| Minimum Brine Flow/Permeate Flow Ratio.... | 5:1 |
| Maximum SDI ( 15 minutes) ..... | 5.0 |
| Maximum Turbidity..... | 1 NTU |




Element Weight : 15 (7)
Length (**A**) : 40.0 (1,016) Diameter (**B**) : 2.5 (63) Permeate Tube **(C) :** 0.75 (19.1)
Units in pounds and inches, units in paranthesis in kilograms and millimetes.
Mechanical Configuration: Filmtec 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%.



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