



The Specialty Membrane Company

PRODUCT SPECIFICATION

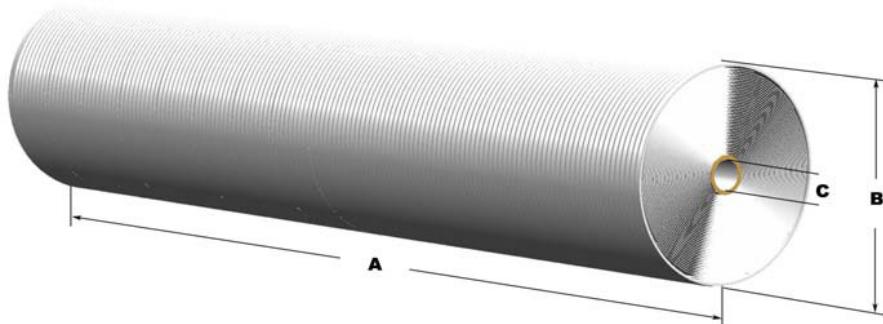
6.3" XN45 Nanofiltration TurboClean® Element

Model	Permeate Flow GPD (m^3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 6338-XN45-31	5,700 (20.8)	95	92

* Performance is based on the following test conditions: 2,000 ppm MgSO₄, 110 psi, 77°F (25°C), 15% recovery, pH 8.0, 30 minutes operation. Individual element permeate flow may vary +/- 20%.

OPERATIONAL AND DESIGN DATA

Membrane Type	XN45 Advanced Polypiperazine Amide Nanofiltration Membrane
Configuration	Spiral Wound, Sanitary Element
Active Membrane Area	225 ft ² (20.9 m ²)
Typical Applied Pressure.....	200 - 400 psi (14 - 28 bar)
Maximum Applied Pressure.....	600 psi (41 bar)
Maximum Operating Temperature.....	122°F (50°C)
Feed pH Range	3 - 10 continuous
Chlorine Tolerance	<0.1 ppm
Maximum Feed Flow	70 GPM (15.8 m ³ /hr)
Maximum Pressure Drop.....	15 psi (1 bar) per element; 60 psi (4 bar) across housing



Element Weight: 33 lbs. (15 kg)

Length (A): 38.00" (965 mm) Diameter (B): 6.3" (160 mm) Permeate Tube (C): 1.139" (28.9 mm)

Permeate Tube: Polysulfone UF Style tube; Interconnect and ATDs not included with element

Feed Spacer: 0.031" thick diamond spacer



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SOLUTIONS**

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