



PRODUCT SPECIFICATION

8" Continuous High Temperature NF Element

Model	Permeate Flow GPD (m ³ /day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® High Temp XN45-8040	6,000 (22.7)	95.0	92.0

* 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 +/- 15%.

OPERATIONAL AND DESIGN DATA

Membrane Type	XN45 Advanced Polypiperazine Amide Nanofiltration Membrane
Configuration	Continuous High Temperature, Sanitary Style Element
Active Membrane Area	235 ft ² (21.8 m ²)
Typical Applied Pressure	50 - 300 psi (3 - 21 bar)
Maximum Applied Pressure	400 psi (27.6 bar) @ 158°F (70°C)
Maximum Operating Temperature	176°F (80°C)
Feedwater pH Range	3 - 9 continuous
Chlorine Tolerance	<0.1 ppm
Maximum Feed Flow	80 GPM (18 m ³ /hr)
Maximum Pressure Drop @ 50°C	15 psi (1 bar) per element; 60 psi (4 bar) across housing
Maximum Pressure Drop @ 70°C	5 psi (0.3 bar) per element; 20 psi (1.4 bar) across housing



Element Weight: 45 lbs. (20 kg)

Length (A): 40.00" (1,016 mm)

Diameter (B): 7.9" (200 mm)

Permeate Tube (C): 1.125" (28.6 mm)

Permeate Tube: FilmTec Style polysulfone tube



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