



PRODUCT SPECIFICATION

8" XN45 Sanitary TurboClean® Element

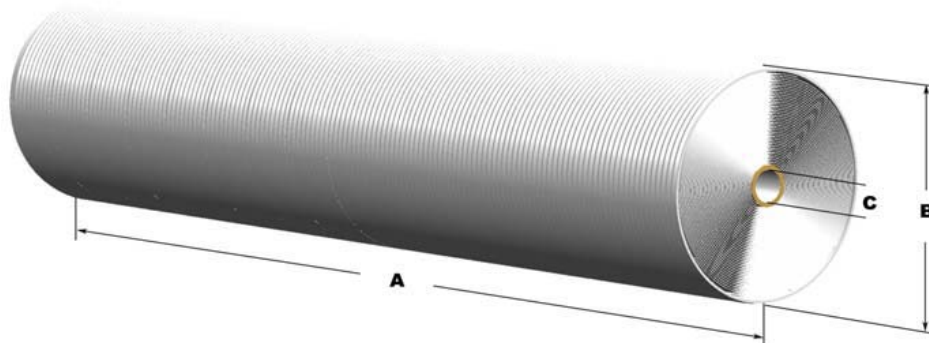
Model**	Permeate Flow GPD (m3/day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 8038-XN45-46	7,100 (26.0)	95.0	92.0

* 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%.

** Replaces Model 8038-N2E8V6.

OPERATIONAL AND DESIGN DATA

Membrane Type	XN45 Advanced Polypiperazine Amide Nanofiltration Membrane
Configuration	Spiral Wound, Sanitary Element
Active Membrane Area	270 ft ² (25 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	100 GPM (23 m ³ /hr)
Maximum Pressure Drop	15 psi (1 bar) per element; 60 psi (4 bar) across housing



Element Weight: 45 lbs. (20 kg)

Length (A): 38.0" (965 mm)

Diameter (B): 7.9" (200 mm)

Permeate Tube (C): 1.12" (28.6 mm)

Permeate Tube:

FilmTec Style polysulfone tube; Interconnect and ATDs not included with element

Feed Spacer:

0.046" thick diamond spacer



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