



The Specialty Membrane Company

PRODUCT SPECIFICATION

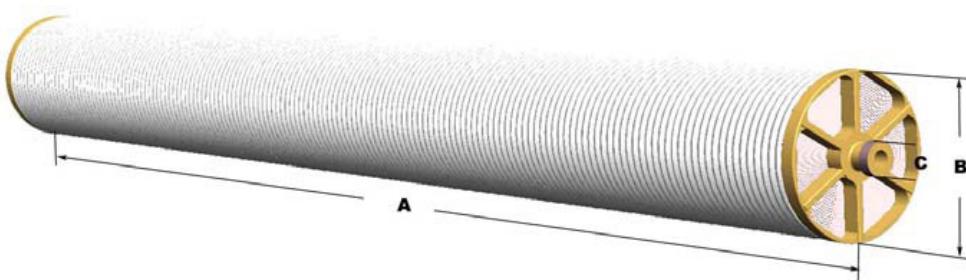
3838 XN45 Sanitary TurboClean® Element

Model	Permeate Flow GPD (m ³ /day)*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 3838-XN45-46	1,350 (5.1)	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 +25%/-15%.

OPERATIONAL AND DESIGN DATA

Membrane Type	XN45 Advanced Polypiperazine Amide Nanofiltration Membrane
Configuration	Spiral Wound, Sanitary Element
Active Membrane Area	53 ft ² (4.9 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	30 GPM (6.8 m ³ /hr)
Maximum Pressure Drop.....	15 psi (1 bar) per element; 60 psi (4 bar) across housing
Part Number.....	169050388



Element Weight: 15 lbs. (7 kg)

Length (**A**): 38.0" (965 mm)

Diameter (**B**): 3.8" (96 mm)

Permeate Tube (**C**): 0.83" (21.2 mm)

Permeate Tube:

Polysulfone Sanitary Style tube; ATD/coupler not included with element

Feed Spacer:

0.046" thick diamond spacer



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