



The Specialty Membrane Company

PRODUCT SPECIFICATION

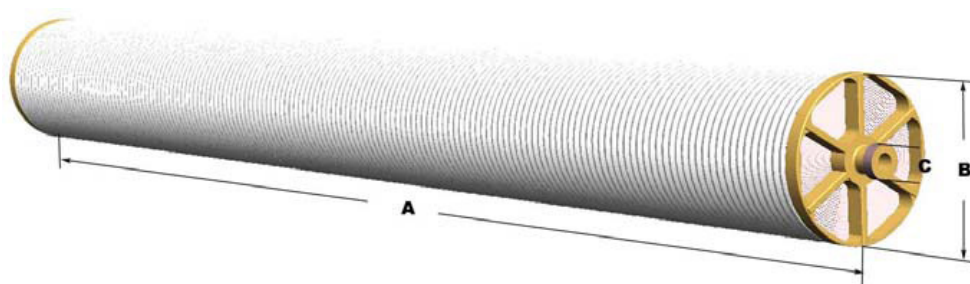
3838 XN45 Sanitary TurboClean® Element

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

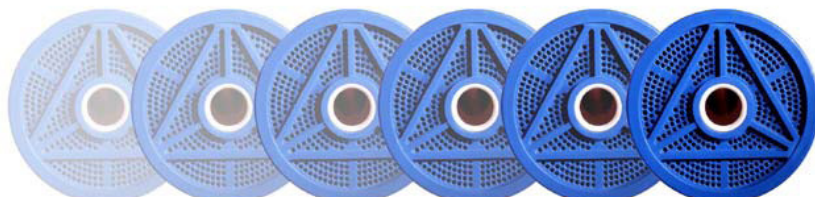
* Performance is based on the following test conditions: 2,000 ppm MgSO₄, 110 psi, 77°F (25°C), 15% recovery, pH 8.0, 30 minutes operation. Individual element permeate flow may vary +25%/-15%.

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		



**Engineered Membrane
SOLUTIONS**

LENNTECH

info@lenntech.com Tel. +31-152-610-900
www.lenntech.com Fax. +31-152-616-289