



The Specialty Membrane Company

PRODUCT SPECIFICATION

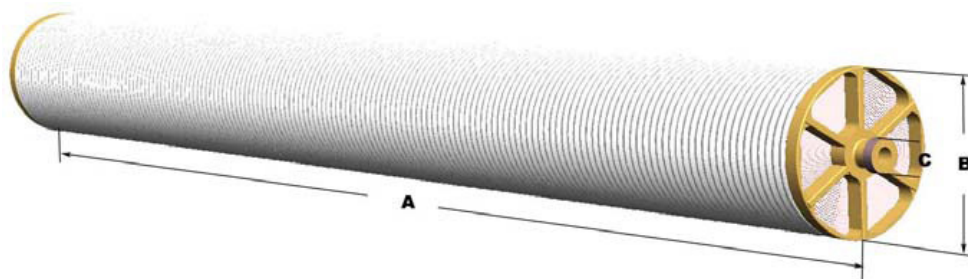
3840 TS40 Nanofiltration TurboClean® Element

Model	Average Salt Rejection (%)*	Minimum Salt Rejection (%)
TurboClean® NF 3840-TS40-47P	99.0	98.0

* 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.

OPERATIONAL AND DESIGN DATA

Membrane Type	TS40 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



Element Weight:	15 lbs. (7 kg)		
Length (A):	38.75" (984 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:	0.047" thick parallel spacer		



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SOLUTIONS

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