



The Specialty Membrane Company

## PRODUCT SPECIFICATION

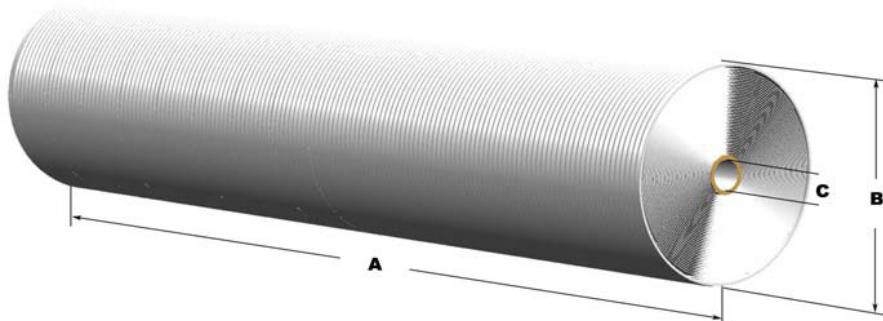
### 6.3" TS80 Nanofiltration TurboClean® Element

Model	Permeate Flow GPD ( $m^3/day$ )*	Average Salt Rejection (%)	Minimum Salt Rejection (%)
TurboClean® NF 6338-TS80-31	5,400 (20.4)	99.0	97.0

\* Performance is based on the following test conditions: 2,000 ppm MgSO<sub>4</sub>, 110 psi, 77°F (25°C), 15% recovery, pH 8.0, 30 minutes operation. Individual element permeate flow may vary +/- 20%.

#### OPERATIONAL AND DESIGN DATA

Membrane Type .....	TS80 Aromatic Polyamide Advanced Nanofiltration Membrane
Configuration .....	Spiral Element Conforming to 3-A / USDA Sanitary Standards
Active Membrane Area .....	225 ft <sup>2</sup> (20.9 m <sup>2</sup> )
Typical Applied Pressure.....	100 - 400 psi (7 - 28 bar)
Maximum Applied Pressure.....	800 psi (55 bar)
Maximum Operating Temperature.....	122°F (50°C)
Feed pH Range .....	2 - 10 continuous
Chlorine Tolerance .....	<0.1 ppm
Maximum Feed Flow .....	70 GPM (15.8 m <sup>3</sup> /hr)
Maximum Pressure Drop.....	15 psi (1 bar) per element; 60 psi (4 bar) across housing



Element Weight: 33 lbs. (15 kg)

Length (A): 38.00" (965 mm)      Diameter (B): 6.3" (160 mm)      Permeate Tube (C): 1.139" (28.9 mm)

Permeate Tube: Polysulfone UF Style tube; Interconnect and ATDs not included with element

Feed Spacer: 0.031" thick diamond spacer



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