

Nanofiltration

Sanitary NF Elements

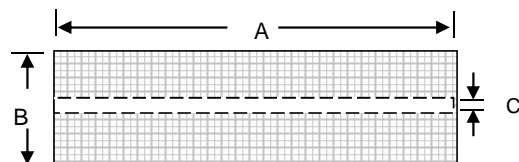
Model	Application	Description	Feed Spacer Thickness in. (mm)	Nominal Membrane Area ft ² (m ²)	Dimensions, in. (mm)			Max Pressure Drop per Element psi (bar)
					Length A	Element OD B	Perm Tube ID C	
TNF 3838	Product Concentration / Preconcentration	USDA Accepted 3A / FDA Compliant	0.031 (0.79)	80 (7.4)	38 (965)	3.8 (97)	0.83 (21)	15 (1.0)
TNF 3838 N2			0.046 (1.17)	68 (6.0)	38 (965)	3.8 (97)	0.83 (21)	15 (1.0)
TNF 8038			0.031 (0.79)	360 (33.5)	38 (965)	7.9 (201)	1.125 (28.6)	15 (1.0)
TNF 8038 N2			0.046 (1.17)	280 (26)	38 (965)	7.9 (201)	1.125 (28.6)	15 (1.0)
TMNF 8040 PS		FDA Compliant	0.031 (0.79)	360 (33.5)	40 (1016)	7.9 (201)	1.125 (28.6)	15 (1.0)
TMNF 8040 PSN2			0.046 (1.17)	280 (26)	40 (1016)	7.9 (201)	1.125 (28.6)	15 (1.0)

Product Type: Net-wrapped (no tail), Spiral Wound Element with Cross-Linked Fully Aromatic Polyamide Composite Membrane
Selected specifically for maximum retention of sugars & proteins with high passage of monovalent salt ions

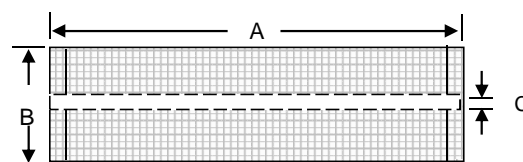
Materials Specifications: Feed Spacers and Element Outer-Wrap: Polypropylene
Permeate Tubes: Polysulfone
Permeate Carrier: Proprietary
Adhesives: Proprietary

Operating Limits: Maximum Operating Pressure, psi (bar): 800 (55.2)
Maximum Operating Temperature, °F (°C): 122 (50)
Maximum Cleaning Temperature, °F (°C): 122 (50)
Acceptable pH Range (operating) : 3.5-10.5
Acceptable pH Range (short-term cleaning) : 1.8-11.5
Maximum Pressure Drop per Vessel, psi (bar): 60 (4.0)
(Consult Toray for pressure limits when operating above ambient temperature)
Maximum Oxidant Tolerance:
Free Chlorine Not Detectable
H₂O₂ continuous (ppm) 20
H₂O₂ short-term cleaning (ppm) < 77 °F (25°C) 1000

Dimensions:



TNF 3838 & TNF 8038



TMNF 8040 PS

(dimensions include Anti Telescoping Devices)

Notice:

1. Elements are preserved in sodium meta-bisulfite. Appropriate personal protective equipment should be worn when handling.
2. Toray accepts no responsibility for results obtained by the application of this information or the safety or suitability of Toray's products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each product combination for their own purposes.
3. All data may change without prior notice, due to technical modifications or production changes.
4. Consult Toray for other available sizes.
5. It is not recommended to use any acid cleaning formulations that contain nitric acid.