



Sanitary Nanofiltration Elements

200 to 600 Dalton Molecular Weight Cut-Off

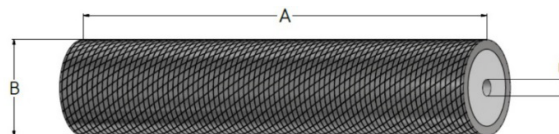
Polymeric Elements

NF Membranes

Membrane	Material	MWCO	Max. Process Temperature*	pH Process Limits**	CIP Max Temperature	CIP pH Limitations**	Flat Cell Rejection**	Average Permeate Flux** (GFD/LMH)	
								GFD	LMH
NF1	Thin Film Composite	100 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99.9+%	48.7	34
NF2	Thin Film Composite	200 Da	140°F (60°C)	3 - 10	122°F (50°C)	2 - 11	99.8%	61.4	104
NF3A	Thin Film Composite	200 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99.4%	21.7	34
NF4	Thin Film Composite	200 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99.9%	29.5	51
NF5	Thin Film Composite	400 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99.9%	31.6	54
NF6	Thin Film Composite	500 - 600 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	67.5%	72.0	122
NF8	Thin Film Composite	200 - 300 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99.8%	55.3	93

**Consult factory for detailed cleaning instructions. Average pure water flux should only be used as a guide. Actual flux can vary +/- 15%
Permeate flux and salt passage data based on the following flat cell test conditions: 2000 mg/l MgSO₄ @ 100 psi (6.89 bar), 25°C
Complies with 3A sanitary standards, FDA (CFR Title 21), EU Commission Directive 2002/72/EC.

Element Specifications



Element Size ¹	Feed Spacer (mil)	Membrane Area		Element Cross Flow Rate ²		Max. Element ΔP ²		Element Diameter ("B")		Element Length ("A")		Permeate Tube Diameter ("C")	
		(ft ²)	(m ²)	(gpm)	(m ³ /hr)	(psi)	(bar)	(in)	(mm)	(in)	(mm)	(in)	(mm)
3838	31 (A)	73.4	6.8	25	5.7	15	1	3.8	97	38	965.2	0.83 (O)	21.08 (O)
	46 (E)	58.6	5.4	26.5	6.0	15	1	3.8	97	38	965.2	0.83 (O)	21.08 (O)
8038	31 (A)	340	31.6	70	15.9	15	1	8.0	203.2	38	965.2	1.125 (S)	28.57 (S)
	46 (E)	295	27.4	80	18.2	15	1	8.0	203.2	38	965.2	1.125 (S)	28.57 (S)

¹Material: Polysulfone

²Recommended cross flow rates and ΔP are dependent on various process parameters.