Sanitary Nanofiltration Elements

200 to 300 Dalton Molecular Weight Cut-Off

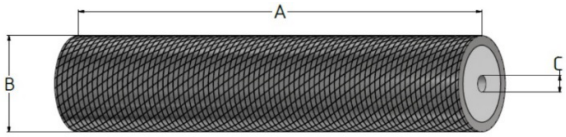
Polymeric Elements

NF Membranes

Membrane	Material	MWCO	Max. Process Temperature	pH Process Limits	Max. CIP Temperature	CIP pH Limitations	Flat Cell Rejection*	Average Permeate Flux* (GFD/LMH)	
								GFD	LMH
NF4	Thin Film Composite	200 Da	122˚F (50˚C)	3 - 10	122˚F (50˚C)	2 - 11	99.9%	29.5	51
NF8	Thin Film Composite	200 - 300 Da	122˚F (50˚C)	3 - 10	122˚F (50˚C)	2 - 11	99.8%	55.3	93

*Average pure water flux should only be used as a guide. Actual flux can vary +/- 15%
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), EC Regulation Number 1935/2004.

Element Specifications



Element Size	Feed Spacer (mil)	Membrane Area		Element Cross Flow Rate[1]		Max. Element ΔP[1]		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	10	0.7	3.8	97	38	965.2	0.83	21.08
	46 (E)	58.6	5.4	26.5	6.0	10	0.7	3.8	97	38	965.2	0.83	21.08
8038	31 (A)	340	31.6	70	15.9	10	0.7	8.0	203.2	38	965.2	1.125	28.57
	46 (E)	295	27.4	80	18.2	10	0.7	8.0	203.2	38	965.2	1.125	28.57

[1]Recommended cross flow rates and ΔP are dependent on various process parameters.

info@nanostone.com
www.nanostone.com