



Sanitary Reverse Osmosis Elements

<100 Dalton Molecular Weight Cut-Off

Polymeric Elements

RO Membranes

Membrane	Material	MWCO	Max. Process Temperature	pH Process Limits	CIP Max Temperature**	CIP pH Limitations	Minimum Rejection**	Minimum Water Flux**	
								GFD	LMH
RO3	Thin Film Composite	<100 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	98%	18.5	31.5
RO4	Thin Film Composite	<100 Da	122°F (50°C)	3 - 10	122°F (50°C)	2 - 11	99%	16.6	18.3

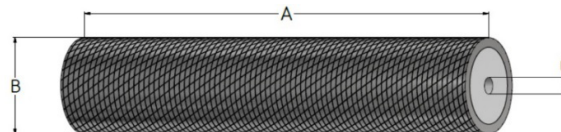
**Consult factory for detailed cleaning instructions. Average pure water flux should only be used as a guide. Actual flux can vary +/- 15%
Permeate flux and salt passage data based on the following test conditions:

- RO3: 2000 mg/l NaCl @ 225 psi (15.5 bar)
- RO4: 32,000 mg/l NaCl @ 800 psi (55 bar)

<0.1 ppm free chlorine in feed stream

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)
3840	31 (A)	73.4	6.8	25	5.7	15	1	3.8	97	40	1016	0.83 (O)	21.08 (O)
	46 (E)	58.6	5.4	26.5	6.0	15	1	3.8	97	40	1016	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)
8040	31 (A)	340	31.6	70	15.9	15	1	8.0	203.2	40	1016	1.125 (S)	28.57 (S)
	46 (E)	295	27.4	80	18.2	15	1	8.0	203.2	40	1016	1.125 (S)	28.57 (S)

¹Material: Polysulfone

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