

Sanitary Ultrafiltration Elements

20,000 to 250,000 Dalton Molecular Weight Cut-Off

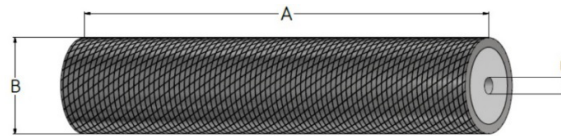
Polymeric Elements

UF Membranes

Membrane	Material	MWCO	Max. Process Temperature	pH Process Limits**	CIP Max Temperature	CIP pH Limitations**
PS20	Polysulfone	20,000 Da	131°F (55°C)	2 - 10	122°F (50°C)	1.8 - 11
PS35	Polysulfone	20,000 Da	131°F (55°C)	2 - 10	122°F (50°C)	1.8 - 11
PV350	Polyvinylidene Fluoride	75,000 Da	131°F (55°C)	2.5 - 10	122°F (50°C)	1.8 - 11
PV400	Polyvinylidene Fluoride	100,000 Da	131°F (55°C)	2.5 - 10	122°F (50°C)	1.8 - 11
PV400R	Polyvinylidene Fluoride	250,000 Da	131°F (55°C)	2.5 - 10	122°F (50°C)	1.8 - 11

**Consult factory for detailed cleaning instructions.
Complies with 3A sanitary standards, FDA (CFR Title 21)

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)	21.1 (O)
	46 (E)	58.6	5.4	29	6.6	20	1.4	3.8	97	38	965.2	0.83 (O)	21.1 (O)
	65 (I)	47.5	4.4	33	7.5	25	1.7	3.8	97	38	965.2	0.83 (O)	21.1 (O)
	80 (K)	40.7	3.8	35	7.9	25	1.7	3.8	97	38	965.2	0.83 (O)	21.1 (O)
4338	31 (A)	97	9.0	29	6.5	15	1	4.3	109	38	965.2	0.83 (O)	21.1 (O)
	46 (E)	77.5	7.2	35	8	20	1.4	4.3	109	38	965.2	0.83 (O)	21.1 (O)
	65 (I)	62	5.8	66	15	25	1.7	4.3	109	38	965.2	0.83 (O)	21.1 (O)
	80 (K)	54	5.0	79	18	25	1.7	4.3	109	38	965.2	0.83 (O)	21.1 (O)
6338	31 (A)	220	20.4	74	16.8	15	1	6.3	160	38	965.2	1.139 (W)	28.9 (W)
	46 (E)	164	15.2	88	20.0	20	1.4	6.3	160	38	965.2	1.139 (W)	28.9 (W)
	65 (I)	143	13.3	99	22.5	25	1.7	6.3	160	38	965.2	1.139 (W)	28.9 (W)
	80 (K)	120	11.2	105	23.8	25	1.7	6.3	160	38	965.2	1.139 (W)	28.9 (W)
6438	31 (A)	220	20.4	74	16.8	15	1	6.4	163	38	965.2	1.139 (W)	28.9 (W)
	46 (E)	164	15.2	88	20.0	20	1.4	6.4	163	38	965.2	1.139 (W)	28.9 (W)
	65 (I)	143	13.3	99	22.5	25	1.7	6.4	163	38	965.2	1.139 (W)	28.9 (W)
	80 (K)	120	11.2	105	23.8	25	1.7	6.4	163	38	965.2	1.139 (W)	28.9 (W)

¹Material: Polysulfone

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