

EP Ultrafiltration Spiral Elements

Polyvinylidene fluoride (PVDF) membrane with extended life and superior chemical resistance



Designed for extended life in a wide range of industrial and electrocoat applications, EP Ultrafiltration Spiral Elements provide greater resistance to fouling by colloidal particles and oily contamination. The Polyvinylidene Fluoride (PVDF) membrane provides excellent chemical and temperature resistance under a variety of process conditions.



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Benefits

- Available in sealed (low flow) or netted (high flow) design
- Membrane has no electrical charge and can be used on either Anodic or Cathodic electrocoat paints
- Resistant to fouling due to contamination or color pigments
- Element construction developed for extended life in industrial applications
- Available in standard diameter or custom sized configurations for maximum performance and optimal cleaning

- Increased resistance to oxidizing cleaning agents
- Available in many configurations to retrofit competitive elements

Applications

- Anodic/Cathodic Paint
- Select Water Borne Paints
- Waste Water Recycle
- Alkaline Cleaner Recovery
- PVA Recovery

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EP Ultrafiltration Spiral Elements

Polyvinylidene Fluoride (PVDF) Membrane with Extended Life and Superior Chemical Resistance

Materials of Construction:

Membrane	Polyvinylidene Fluoride
Backing Material	Polyester
Permeate Tube	Polyvinyl Chloride (PVC)
Seal Carrier	ABS Plastic
Brine Seal	EPDM

Operating Limits/Conditions:

Maximum Inlet Pressure	60 psi (4.1 bar)
Typical Inlet Pressure	40-60 psi (2.7-4.1 bar) (application specific)
Maximum Operating Temperature	122°F (50°C)
pH Range, continuous	2-10
pH Range, short-term cleaning	2-11.5 @122°F (50°C)

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Part #	Diameter		Body Length		Area		Description
	(in)	(cm)	(in)	(cm)	ft²	m²	
EP1812-BS01-TB	1.8	4.6	10.1	25.7	3.4	0.3	Taped (test use)element for a PAF PMC-1812-HSG housing M PWT
EP2514-BS01-T2	2.41	6.1	12	30.5	5.5	0.5	Taped (test use)element for PAF 2R2514 housing M PWT
EP2521-BS01-T2	2.41	6.1	19	48.3	11	1	Taped (test use)element for PAF 2R2521 housing M PWT
EP2514-BS01-H2	2.41	6.1	12	30.5	5.5	0.5	Sealed element for PAF 2R2514 housing M PWT
EP2521-BS01-H2	2.41	6.1	19	48.3	11	1	Sealed element for PAF 2R2521 housing M PWT
EP40262-BS01-H4	3.88	9.9	26.25	66.7	43	4	Sealed element for EDX-B4026H replacement
EP40281-BS01-H4	3.88	9.9	28.125	71.4	47	4.4	Sealed element for PAF 2R4028 & 1VUF30 housing
EP4033-BS01-H4	3.88	9.9	33	83.8	57	5.3	Sealed element for PAF 2R4033 housing & Koch 4" replcaement
EP4040-BS02-H4	3.88	9.9	40	101.6	71	6.6	Sealed element for Osmonics 4" SS housing PWT end plugged
EP4040-BS03-H4	3.88	9.9	40	101.6	71	6.6	Sealed (reinforced) element for Osmonics 4" SS housing
EP4040-BS07-H4	3.88	9.9	40	101.6	71	6.6	Sealed element for PAF 2R4040 housing
EP4040-BSF1-H4	3.88	9.9	38	96.5	70	6.5	Sealed element for Filmtec housing- M PWT
EP40451-BS02-H4	3.88	9.9	45.125	114.6	81	7.5	Sealed element for PAF 2R4045 & 1VUF50 housing
EP5640-BS01-H5	5.45	13.8	40	101.6	153	14.2	Sealed element for PAF 6" PVC 1V & 2VUF60 housing
EP5640-BS01-HL	5.45	13.8	40	101.6	153	14.2	Netted element for PAF 6" PVC 1V & 2VUF60 housing
EP6439-BS01-HL	6.3	16	33	83.8	163	15.2	Netted element for 6" Koch housing M PWT
EP7637-BS02-H7	7.48	19	33	83.8	218	20.3	Sealed element for 8" x 37" Koch housing reverse CIP flow - M PWT
EP76405-BS01-H7	7.48	19	33	83.8	218	20.3	Sealed element for 8" x 40" Koch housing reverse CIP flow- M PWT
EP7640-BS01-H7	7.48	19	40	101.6	278	25.8	Sealed element for 8" PAF 2VUF80 & SS Housings
EP7640-BS02-H7	7.28	18.5	40	101.6	278	25.8	Sealed element for older thick wall 8" PAF 2VUF80 PVC Housings
EP7640-BS03-H7	7.48	19	40	101.6	270	25.2	Sealed element for 8" PAF 2VUF80 & SS Housings reverse CIP flow
EP7640-BS01-HL	7.6	19.3	40	101.6	278	25.8	Netted element for 8" PAF 2VUF80 & SS Housings
EP76475-BS01-H7	7.48	19	40	101.6	270	25.2	Sealed element for 8" Synder IH80A SS Housings reverse CIP flow M PWT
EP7940-BS03-HL	7.9	20.1	38	965.2	350	32.5	Netted element for Osmonics & Hydranautics Schd 40 Hsg PWT 1.125
EP8040-BS05-H8	7.9	20.1	40	101.6	350	32.5	Sealed (reinforced) element for Osmonics & Hydranautics Schd 40 Hsg PWT 1.125
EP8040-BS07-H8	7.9	20.1	40	101.6	350	32.5	Sealed element for Osmonics & Hydranautics Schd 40 Hsg PWT 1.125
EP8040-BS14-H8	7.9	20.1	40	101.6	350	32.5	Sealed element for Osmonics 815T Hsg PWT 1.138
EP8340-BS01-H8	8.27	21	40	101.6	380	35.3	Sealed element for Osmonics Schd 10 Hsg PWT 1.28
EP8340-BS01-HL	8.27	21	38	965.2	380	35.3	Netted element for Osmonics Schd 10 Hsg PWT 1.28

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