

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)

ADDITIONAL SPECIFICATIONS

PART NUMBER	DIAMETER		OVERALL LENGTH		AREA		DESCRIPTION
	(in)	(cm)	(in)	(cm)	(ft ²)	(m ²)	
EP1812-BS01-TB	1.80	4.6	12.0	30.5	3.4	0.3	Taped element for a PAF PMC-1812-HSG housing
EP2514-BS01-T2	2.41	6.1	14.0	35.6	5.5	0.5	Taped element for a PAF2R2514 series housing
EP2521-BS01-H2	2.41	6.1	21.0	53.3	10.9	1.0	Taped element for a PAF2R2521 series housing
EP40281BS01-H4	3.88	9.9	28.0	71.1	47	4.4	Sealed element for PAF2R4028 & 1VUF30 series PVC housing
EP4033-BS01-H4	3.88	9.9	33.0	83.8	57	5.3	Sealed element for PAF 2R4033 series PVC housing /Koch 4" retrofit
EP4040-BS01-HL	3.88	9.9	40.0	101.6	75	7.0	Netted element for PAF1VUF40 series PVC housing or SS housing
EP4040-BS02-H4	3.88	9.9	40.0	101.6	75	7.0	Sealed element for Osmonics 4" SS housing
EP4040-BS03-H4	3.88	9.9	40.0	101.6	70	6.5	Sealed element for Osmonics 4" SS housing (Reinforced Construction)
EP4040-BS07-H4	3.88	9.9	40.0	101.6	70	6.5	Sealed element for PAF 2R4040 series PVC housing
EP4040-BS01-H4	3.88	9.9	40.0	101.6	72	6.7	Sealed element for PAF 2R40SP series PVC housing (Filmtec Style)
EP40451BS02-H4	3.88	9.9	45.0	114.3	81	7.5	Sealed element for PAF 2R4045 & 1VUF50 series PVC housing
EP5640-BS01-H5	5.45	13.8	40.0	101.6	153	14.2	Sealed element for 6" PAF 2VUF60 series PVC housing
EP5640-BS01-HL	5.90	15.0	40.0	101.6	153	14.2	Netted element for 6" PAF 2VUF60 series PVC housing /Synder 6" retrofit
EP56475BS01-H5	5.45	13.8	47.5	120.7	180	16.7	Sealed element for Synder 6" housing
EP6439-BS01-HL	6.30	16.0	39.0	99.1	162	15.1	Netted element for Koch 6" PVC housing
EP7637-BS02-H7	7.48	19.0	37.0	94.0	218	20.3	Sealed element for Koch 8" PVC housing
EP7640-BS01-H7	7.28	18.5	40.0	101.6	278	25.8	Sealed for new style PAF 2VUF80 series PVC or SS housing
EP7640-BS02-H7	7.28	18.5	40.0	101.6	278	25.8	Sealed for older PAF 2VUF80 series PVC housing
EP7640-BS03-H7	7.48	19.0	40.0	101.6	278	25.8	Sealed element for PAF 2VUF80 series PVC housing -with double seal ATD
EP7640-BS01-HL	7.6	19.3	40.0	101.6	278	25.8	Netted element for 8" PAF 2VUF80 series PVC housing Synder 8" retrofit
EP76475-BS01-H7	7.48	19.0	47.5	120.7	317	29.5	Sealed element for 8" Synder PVC /SS housing
EP7940-BS03-HL	7.90	20.1	40.0	101.6	333	30.9	Netted element for Osmonics 8" SS40 housing
EP8040-BS07-H8	7.90	20.1	40.0	101.6	341	31.7	Sealed element for Hydranautics 8" housing
EP8340-BS01-H8	8.27	21.0	40.0	101.6	389	36.1	Sealed element for Osmonics 8" SS10 housing
EP8340-BS14-H8	7.90	20.1	40.0	101.6	344	31.7	Sealed element for Osmonics 8" SS40 housing

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