

FAST GEN 2



A Polyvinylidene Fluoride (PVdF) Ultrafiltration Element with High Flux, Minimized Fouling and Advanced Cleaning Capacity.

The FAST Gen 2 is a new next generation spiral membrane element designed by Filtration and Separation Technology International, Inc. This newly designed spiral membrane element uses the same tried and true Ultrafiltration and Microfiltration membranes but with a new internal configuration designed to maximize flux, minimize fouling, and reduce operating cost.

Features

- Novel Internal Structure
- Modified Feed Channel
- 0.3um PVdF Membrane
- Robust Spiral Element Design

Advantages

- Higher Permeate Rate
- More Effective Area
- Integrity Testable
- High Feed Velocity Maintenance
- Longer Service Life

Benefits

- More Permeate
- Smaller or Less Elements
- High Single Pass Recovery
- Lower Capital Cost
- Lower Cost of Ops

As a next generation design, the FAST Electrocoat Spiral Element provides excellent operational life with separation efficiency required for effective operation of Electrocoat Paint Systems. When operated in accordance with the FAST recommended operating parameters and the Electrocoat Paint within the manufacturer's recommendations, the FAST Gen 2 Spiral Element can provide a long service life and better performance of the standard element design.

The neutrally charged membrane is effective in operating in either Cationic or Anionic Electrocoat Paints with no need to chemically refresh the membrane after cleaning. The nature of the PVdF membrane and the element's robust construction provide excellent chemical, temperature, and pressure resistance.

FAST Service

FAST has Technical and Customer Service Representatives available over the phone, online, or in person from its Corporate Headquarters or its Authorized Distributors. Don't let a poor performing Electrocoat Operation cost you money that can be avoided. Visit www.fastecoat.com for your nearest Authorized Distributor or FAST Contact Information.



Specifications

Materials of Construction

- Membrane: Polyvinylidene Fluoride
- Support: Polyester
- Permeate Tube: PVC
- ATD: ABS
- Brine Seal: EPDM
- Preservative: Sodium Metabisulfate

Operating Conditions

- Maximum Inlet Pressure: 60 PSI (4.1 Bar)
- Recommended Operating Pressure: 40-50 PSI (2.7 to 3.4 Bar)
- Recommended Differential Pressure: 30 PSI (2.1 Bar)
- Maximum Operating Temperature: 122 F (50 C)
- Operating pH Range: 2-10
- Short Term Cleaning pH Range: 2-11 at 122F (50C)

Part #	Diameter		Body Length		Area		Description
	(in)	(cm)	(in)	(cm)	(Ft ²)	(M ²)	
FEC40330-3ISHG2	3.90	9.90	33.00	83.82	57	5.3	Sealed element retrofits/replaces Parker EP4033-BS01-H4 and Koch 4"
FEC40400-3ISHG2	3.90	9.90	40.00	101.61	70	6.5	Sealed element retrofits/replaces Parker EP4040-BS03-H4
FEC56400-3ISHG2	5.55	14.10	40.00	101.61	149	13.8	Sealed element retrofits/replaces parker EP5640-BS01-H5
FEC76370-3ISHG2	7.38	18.75	33.00	83.82	215	20.0	Sealed element retrofits/replaces Koch 8" PVC housing
FEC76400-3ISHG2	7.38	18.75	40.00	101.61	280	26.0	Sealed element retrofits/replaces Parker EP7640-BS01-H7
FEC76475-3XDHG2	7.38	18.75	47.50	120.65	280	26.0	Sealed element retrofits/replaces Parker EP76475BS01-H7
FEC79400-3INNG2	7.90	20.01	40.00	101.61	310	28.8	Netted element retrofits/replaces Parker EP7940-BS03-HL and Osmonics with 8" SS40 housing
FEC80400-3ISHG2	7.88	20.01	40.00	101.61	310	28.8	Sealed element retrofits/replaces Parker EP8040-BS07-H8
FEC83400-3ISHG2	8.27	21.01	40.00	101.61	340	31.6	Sealed element retrofits/replaces Parker EP8340-BS01-H8 and Osmonics with 8" SS40 housing
FEC86400-3ISBG2	8.63	21.97	37.25	94.62	315	29.3	Sealed element retrofits Koch K-Pak

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