



Facet FI Series filter cartridges provide efficient and economical filtration of fluids in a wide range of applications. These industrial filter cartridges are used for removal of particulate from a broad range of products where nominal filtration is required.

Facet FI Series filter cartridges provide a large surface area for maximum dirt holding capacity, high flow rates and low initial pressure drops. The normal flow direction is outside to inside, however, specially designed cartridges are available for reverse flow.

FI Series cartridges are manufactured using pleated, resin impregnated cellulose or glass cellulose blended medias that are heat cured for strength and durability. Electro-tin plated center cores and outer bodies are the standard metal components. Cartridges are also available without the outer body. Thermosetting PVC adhesives and Buna-N gaskets are standard.

Benefits

- Resin impregnated medias provide strength and durability in demanding applications.
- Extended surface area for maximum dirt holding capacity and long life.
- One piece construction reduces downtime, cartridges change-out costs and eliminates filter bypass concerns.
- Retention ratings available from 0.5 to 100 microns.
- 90-95% nominal efficiency ratings are standard. Higher efficiency cartridges are available.
- Electro-tin plated components help prevent rust and corrosion.

Applications

- Automotive Manufacturing
- Chemicals, Resins, and Solvents
- EDM Machining
- Foundries
- Heating Oils
- Hydraulic Oils
- Hydrocarbons
- Lube Oils
- Petroleum Refining
- Pipelines and Petroleum Terminals
- Power Generation
- Pulp and Paper Industry

FI Series Filter Cartridges

PERFORMANCE SPECIFICATION

MEDIA	NOMINAL REMOVAL MICRON											
	0.5	1	3	5	10	15	20	30	40	50	75	100
Glass/Cellulose	•	•	•									
Cellulose		•	•	•	•	•	•	•	•	•	•	•

MATERIALS

Filter media options:

0.5-3.0 µm: Resin Impregnated Cellulose/Glass Blend

5 - 100 µm: Resin Impregnated Cellulose

Gasket Materials:

Standard: Buna-N

Optional: Other gasket material available

Components:

Center Core: Electro-tin Plated

End Caps: Electro-tin Plated

Outer Cage: Electro-tin Plated

Adhesives: Thermoset PVC / Urethane / Epoxy

FILTER SIZES AND DIMENSIONS

SERIES	DIMENSIONS					
	OD		ID		LENGTH	
	in	mm	in	mm	in	mm
FI-209-µ	2 ½	63	1 ⅛	27	9 ⅞	251
FI-209-µ-3	2 ½	63	1 ⅛	27	9 ⅞	246
FI-229-µ	2 ½	63	1 ⅛	27	29 ¼	743
FI-230-µ	2 ½	63	1 ⅛	27	29 ⅝	752
FI-412-µ	4	102	1 ⅝	41	12 ¼	311
FI-511-µ	4 ½	114	1 ¾	44	11	279
FI-518-µ	4 ½	114	1 ¾	44	18	457
FI-518-µ-3	4 ½	114	2 ⅝	67	18	457
FI-608-µ	6	152	3 ½	89	8	203
FI-614-µ	6	152	3 ½	89	14 ½	368
FI-618-µ	6	152	3 ½	89	18	457
FI-636-µ	6	152	3 ½	89	36	914
FI-644-µ	6	152	3 ½	89	44	1118
FI-718-µ	6	152	2 ⅝	67	18	457
FI-718-µ-1	6	152	2 ¼	57	18	457
FI-718-µ-3	6	152	3 ⅞	81	18	457
FI-736-µ	6	152	2 ⅝	67	36	914
FI-736-µ-1	6	152	2 ¼	57	36	914
FI-754-µ	6	152	2 ⅝	67	54	1372

µ = Micron Rating

Note: The dimensions are nominal. There are many other sizes and combinations, not listed here, that are available. Please call us for assistance with special configurations.

TEMPERATURE / COMPATIBILITY GUIDE

MEDIA	MAXIMUM TEMPERATURE	pH RANGE	PETROLEUM PRODUCTS	CHEMICALS	AQUEOUS SOLUTIONS
Glass/Cellulose	250 °F	4 - 9	Excellent	Good	Good
Cellulose	225 °F	5 - 9	Excellent	Fair	Fair

CARTRIDGE ORDERING INFORMATION

SERIES	DIMENSIONS	MICRON RATING	OUTER BODY DESIGNATION	SPECIAL FEATURES
FI	718 See Filter Sizes and Dimensions table	0.5 0.5, 1, 3, 5, 10, 15, 20, 30, 40, 50, 75, 100	P No Symbol = No Outer Body P = Outer Body	N-1 C3 = High Efficiency Glass/ Cellulose H = Handle J = Non Asbestos Gasket N = Neoprene Gasket V = Viton Gasket -1 = Special ID -3 = Hilco Retrofit