

FI Series Filter Cartridges



DESCRIPTION

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

Due to our continuing program of improvement, specifications are subject to change without notice.

PERFORMANCE SPECIFICATION

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

MATERIALS OF CONSTRUCTION

FILTER MEDIA OPTIONS:

- 0.5-3.0 μ m: Resin Impregnated Cellulose/Glass Blend
- 5-100 μ m: Resin Impregnated Cellulose

METAL COMPONENTS:

- Center Core: Electro-tin Plated
- End Caps: Electro-tin Plated
- Outer Cage: Electro-tin Plated

GASKET MATERIALS:

- Standard: Buna-N
- Optional: Vegetable Fiber, Neoprene, Viton® Non-asbestos Replacement

ADHESIVES:

- Thermoset PVC
- Urethane
- Epoxy

FILTER SIZES AND DIMENSIONS

SERIES	OD (inches)	ID (inches)	LENGTH (inches)
FI-209- μ	2 1/2	1 1/16	9 7/8
FI-209- μ -3	2 1/2	1 1/16	9 11/16
FI-229- μ	2 1/2	1 1/16	29 1/4
FI-230- μ	2 1/2	1 1/16	29 5/8
FI-412- μ	4	1 5/8	12 1/4
FI-511- μ	4 1/2	1 3/4	11
FI-518- μ	4 1/2	1 3/4	18
FI-518- μ -3	4 1/2	2 5/8	18
FI-608- μ	6	3 1/2	8
FI-614- μ	6	3 1/2	14 1/2
FI-618- μ	6	3 1/2	18
FI-636- μ	6	3 1/2	36
FI-644- μ	6	3 1/2	44
FI-718- μ	6	2 5/8	18
FI-718- μ -1	6	2 1/4	18
FI-718- μ -3	6	3 3/16	18
FI-736- μ	6	2 5/8	36
FI-736- μ -1	6	2 1/4	36
FI-754- μ	6	2 5/8	54

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.

μ = Micron rating

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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	0.5	P	H-1
	See Filter Sizes and Dimensions Table	0.5, 1, 3, 5, 10, 15, 20, 30, 40, 50, 75, 100	No Symbol = No Outer Body P = Outer Body	C3 = High Efficiency Glass/Cellulose H = Handle J = Non Asbestos Gasket N = Neoprene Gasket V = Viton Gasket -1 = Special ID -3 = Hilco Retrofit

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