

Heat-cured pleated resin-impregnated cellulose or glass cellulose blended medias

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 pleated filter cartridges provide a large surface area for maximum dirt holding capacity, high flow rates and low initial pressure drops. The normal flow direction for the FI Series 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, cartridge 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

Filter Sizes & Dimensions

Dimensions (nominal)			
SERIES <i>X = Micron rating</i>	OD (inches)	ID (inches)	LENGTH (inches)
FI-209-X	2 1/2	1 1/9	9 7/8
FI-209-X-3	2 1/2	1 1/9	9 2/3
FI-229-X	2 1/2	1 1/9	29 1/4
FI-230-X	2 1/2	1 1/9	29 5/8
FI-412-X	4	1 5/8	12 1/4
FI-511-X	4 1/2	1 3/4	11
FI-518-X	4 1/2	1 3/4	18
FI-518-X-3	4 1/2	2 5/8	18
FI-608-X	6	3 1/2	8
FI-614-X	6	3 1/2	14 1/2
FI-618-X	6	3 1/2	18
FI-636-X	6	3 1/2	36
FI-644-X	6	3 1/2	44
FI-718-X	6	2 5/8	18
FI-718-X-1	6	2 1/4	18
FI-736-X	6	2 5/8	36
FI-736-X-1	6	2 1/4	36
FI-754-X	6	2 5/8	54

Note: Many other sizes and combinations are available. Please contact us for assistance with special configurations.

Temperature/Compatibility Guide

Media	Glass/Cellulose	Cellulose
Maximum Temp.	250° F	225° F
pH Range	4-9	5-9
Petroleum Products	Excellent	Excellent
Chemicals	Good	Fair
Aqueous Solutions	Good	Fair

Performance Specifications

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 µm	Resin Impregnated Cellulose/Glass Blend
5-100 µm	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

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Ordering Information

Prefix	Size, Nominal (See Size Chart)	Micron Rating	Outer Body Designation	Special Features
FI	718	0.5	P	H-1
FI	<i>See Filter Sizes and Dimensions Table</i>	0.5, 1, 3, 5, 10, 15, 20, 30, 40, 50, 75, 100 µm	No Symbol = No Outer Body P = Outer Body	C3 = High Efficiency Glass/Cellulose H = Handle J = Non Asbestos N = Neoprene V = Viton -1 = Special ID -3 = Hilco Retrofit