

PFI SERIES FILTER CARTRIDGE



Description

Purolator PFI 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.

Purolator PFI 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 PFI Series is outside to inside, however, specially designed cartridges are available for reverse flow.

PFI 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

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

Filter Sizes & Dimensions

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

Note: There are many other sizes and combinations, not listed here, that are available. Please contact Purolator Sales for assistance with special configurations.

X = Micron rating

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Performance Specifications

NOMINAL REMOVAL, MICRON 0.5 1 3 5 10 15 20 30 40 50 75 100

Glass/Cellulose ● ● ●

Cellulose ● ● ● ● ● ● ● ● ● ●

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

Prefix	Size, Nominal See Size Chart	Micron Rating	Outer Body Designation	Special Features
PFI	718	0.5	P	H-1
PFI	See Filter Sizes and Dimensions Table.	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

Purolator Advanced Filtration

8439 Triad Drive
 Greensboro, NC 27409

Phone: 336-668-4444
 Toll Free: 800-852-4449
 Fax: 336-668-4452
 E-mail: info@purolator-facet.com

