

MPF-J Series Filter Cartridges



MPF-J Series are conventionally wound cartridges available in a wide range of materials. The materials of construction (filter media and core) offers broad chemical and temperature compatibility.

Continuous length winding eliminates the "joints" found in conventional multiple length cartridges. This eliminates problems of restricted flow and bypass

Tolerances on the single roving filter media are rigidly controlled to produce a quality cartridge with consistent filtration characteristics.

APPLICATIONS

- Process water
- Chemicals – acids, alkalies, solvents, electroplating, photographic solution.
- Beverages – soft drinks, beer and spirits.
- Food Products – edible oils, cocoa butter and sugar syrups.
- Petrochemical – polyester resins, organic chemicals
- Oil & Gas – lube oil, amines, Benfield solution, glycols, condensate.

PRODUCT FEATURES

Over nine different filter medias and four different core materials for a variety of chemical applications

Fiberglass filter media and a choice of metal cores for high temperature applications up to 400 °C

Filter products available from selected materials approved by US Food and Drug Administration (FDA) for use on foods and beverages.

Manufactured on precision winding machines to an engineered pattern to give accurate micron retention and progressive depth filtration.

Continuous wind pattern over full cartridge length means no joints or dead spots, no bypass and ensures uniform flow through the entire filter element.

Standard cartridge dimensions are from 9- $\frac{3}{4}$ " to 40" long and 2- $\frac{1}{2}$ " in diameter. Special dimensions are available upon request.

Wide choice of materials and micron ratings in optimize filter life for lowest filtration cost.

OPERATING PARAMETERS

Maximum Operation Temperature :
- Dependent on media/core selection
- See Selection Guide

Maximum Differential Pressure :
- 70 psid (4.8 bar)

Recommended Cartridge Change-out :
- At 35 psid (2.4 bar)

BENEFITS

- Broad Chemical Compatibility
- Broad Temperature Compatibility
- Suitable for Food and Beverages
- Consistent Filtration Characteristics
- Elimination of Potential Bypass
- Fits all Industrial Housings
- Cost- Effective Filtration



FILTER MEDIA AND CORE SELECTION GUIDE

Media	Maximum Temperature	Core	Applications
Cotton (Bleached) JC	150°C 150°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Potable water, beverages, food and vegetable oils. Metal core cartridges can be used up to 150°C on vegetable oils. Cartridge materials meet FDA requirements.
Cotton (White) JEC	150°C 150°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Water, organic solvents, petroleum oils.
Cotton (Unbleached) JU	150°C 150°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Non-critical applications
Polypropylene JP	95°C 95°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Potable water, beverages, food and vegetable oils. Cartridge materials meet FDA requirements.
Polypropylene (Industrial) JEP	95°C 95°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Filtration of water, concentrated acids, alkalis, organic acids, oxidizing and reducing agents and many other chemicals
Polypropylene (Fibrillated) JF	95°C 95°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Some chemical compatibility as polypropylene. Has no lubricant so will not cause foaming – suitable for electroplating.
Rayon JR	150°C 150°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Chemical compatibility similar to cotton. Used primarily in filtration of petroleum oils.
Nylon JN	150°C 150°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Special process applications, concentrated alkalis and hydrocarbons. Used for condensate filtration at elevated temperatures
Fiberglass JG	175°C 175°C 60°C	Tin Plated Steel 304 & 316 SS Polypropylene	Filtration of organic acids, organic solvents, petroleum oils, mineral acids and other chemicals at elevated temperatures. Contains lubricant which will discolor sulfuric acid and polyester resin.
Fiberglass (Heat Purified) JGH	205°C 400°C	Tin Plated Steel 304 & 316 SS	Baked at 430°C to remove all lubricant and organic. Used for high temperature filtration such as polyester resins.

MPF-J SERIES ORDERING GUIDE

J	X	X	X	X	X	X	W
CARTRIDGE TYPE	MEDIA TYPE	MICRON RATING	CARTRIDGE DIAMETER	LENGTH	CORE MATERIAL	OPTIONS	CARTRIDGE WRAP
J – Series	C – Bleached Cotton (FDA) EC – White Cotton U – Nature Cotton P – Polypropylene (FDA) EP – Polypropylene F – Fibrillated Polypropylene R – Rayon N – Nylon G – Fiberglass GH – Heat Purified Fiberglass Y – Polyester O – Acrylic X – Special	05 - 0.5 1 - 1 2 - 2 3 - 3 5 - 5 10 - 10 15 - 15 20 - 20 25 - 25 30 - 30 40 - 40 50 - 50 75 - 75 100 - 100 125 - 125 150 - 150 200 - 200 350 - 350	R – 21/2" T – 2" P – 3" X – Special	09 - 9 3/4" 10 - 10" 19 - 19 1/2" 20 - 20" 29 - 29 1/4" 30 - 30" 39 - 39" 40 - 40" 37 - 3 3/4" 4 - 4" 5 - 5" 6 - 6" 12 - 12" 125 - 12 1/2" 18 - 18" 36 - 36" 50 - 50" 72 - 72"	P – Polypropylene T – Tin Plated Steel S – 304SS A – 316SS PH – Heavy wall Polypropylene PR – Polypropylene (19/16" ID) L – Steel (19/16" ID) X – Special	N – None V – Core cover compatible with filter media B – Heat-treated end GN – Neoprene gasket GM – EDPM gasket ET – Tin Steel extended core ES – 304SS extended core EA – 316SS extended core EP – Polypro extended core X – Special	W – Polybag (Standard) N – None X – Special



Fluid Purification

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