

pleated filter

Polypropylene Media

High Efficiency

High Flow

Wide chemical compatibility

FDA approved construction

Non Fiber releasing

Lower Δp

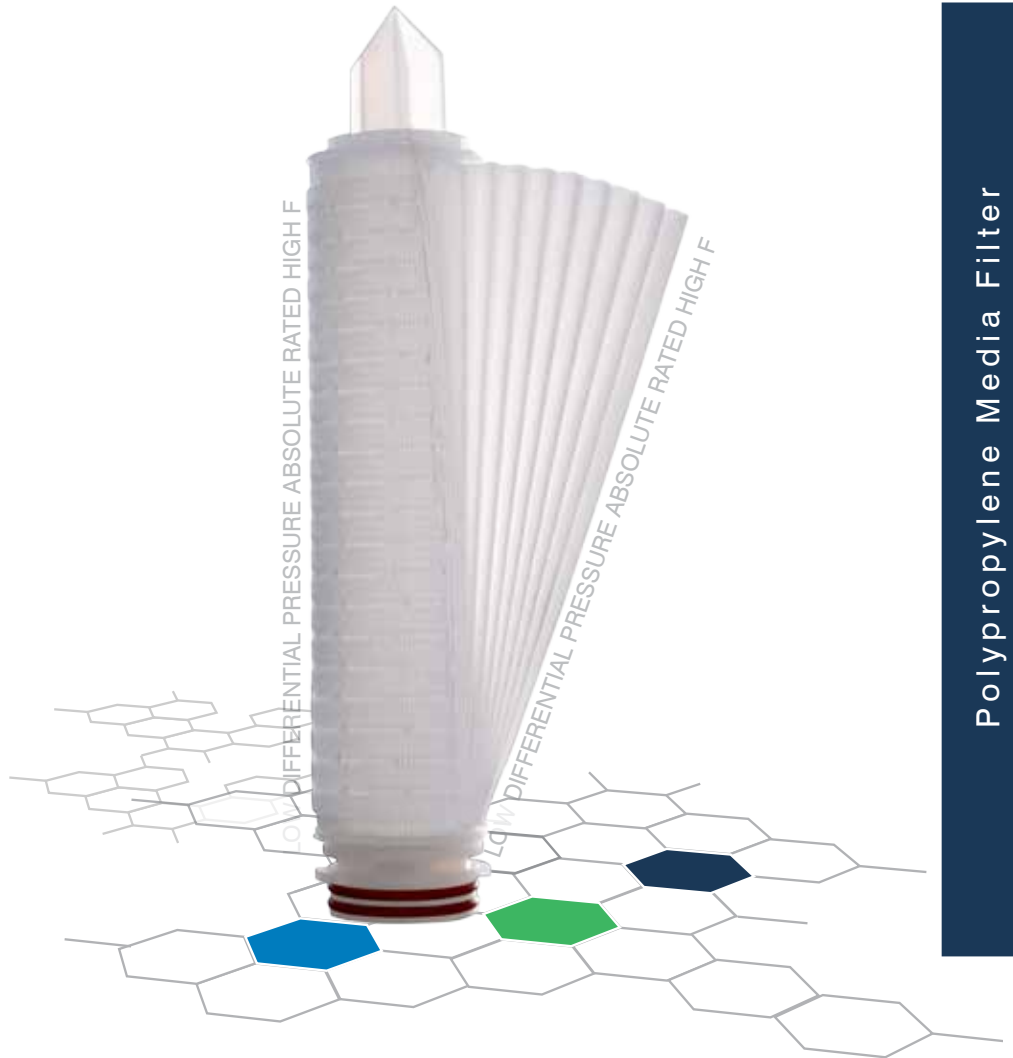
Traceability

Cost Effective

High Efficiency



MICROPP
PP Filter Media



Polypropylene Media Filter

CHEMICAL | PHARMA | BIOTECH | FOOD & BEV | ELECTRONICS



www.microfiltindia.com

absolute rated



MICROPP pleated cartridge has been developed to meet the process needs and throughput requirements of the Pharmaceutical, Food & Beverage, Electronics, Chemical, and other critical industries. MICROPP pleated cartridges are used to filter liquids where high efficiency, low pressure drop, robust debris holding capacity and long life are essential. These filters can be used as a pre-filter or as a final filter depending on the application. MICROPP filter cartridges delivers high filtration efficiency and consistent filtration of fluids in a wide range of applications. All cartridge hardware components are made up of polypropylene and approved for use in critical process applications. MICROPP pleated cartridges are manufactured and assembled in a clean room environment to minimize the possibility of contamination. MICROPP cartridges are available in a wide range of configurations and end connections to fit most of the commercially available filter housings.

Features and Benefits

- 100 % Polypropylene components** Provides wide chemical compatibility and permits in a broad range of fluid and applications

- Fixed pore structure, consistent particle removal** No migration of filter media, no fiber release

- Contains no binder no additives** Maximum chemical resistance with minimum extractable.

- Filter media is supported with polypropylene support layer on both sides** Optimized for high efficiency particle removal and high contaminant holding capacity, resulting in longer on-stream life cycles

- Rugged thermally bonded construction** Ensures integrity under severe process conditions and withstands multiple sterilizations

- Biologically inert and Non toxic** Meets FDA requirements, bio safety compliance with USP class VI biological reactivity test passes

- High pleated area, robust media construction** Enables economical installations & energy savings due to high flow rates and low pressure drops.

- Variety of seal configurations** Allow retrofit in many filter vessel design



Material of Construction	
Filter Medium	Polypropylene
Support Layer	Polypropylene
Core / Cage / End Caps	Polypropylene
O-Rings	Refer Ordering Guide

Micron Rating	
Microns (μ)	0.2, 0.45, 1, 3, 5, 10, 20, 30, 40, 70

Standard Sizes (Nominal)	
inches	10, 20, 30, 40

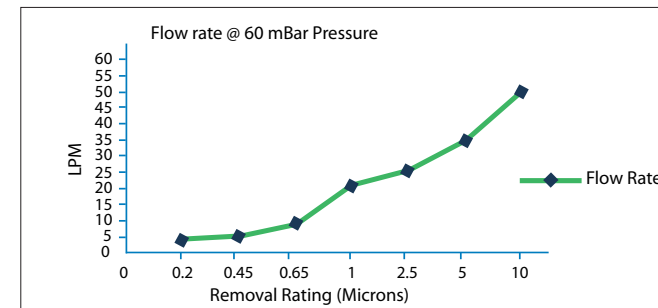
Outside Diameter (Nominal)	
inches	2.75

Inner Diameter (Nominal)	
inches	1.1

Filtration Area / 10" cartridge (Nominal)	
m ²	0.4 - 0.8

Operating Parameters	
Temperature °C / °F [Max]	70 / 158
Pressure [Max] Bar / psi (ΔP)	4.1 / 59.46 @ 60°C 2.1 / 30.45 @ 82°C
Steam Sterilization °C [Max]	121* / 30 mins
Hot Water Sanitization °C [Max]	85* / 30 mins
Recommended Changout (Δp- Bar)	2.4

*For specific grade



High Dirt Holding

Pleated Cartridge

PP Media

Steam Sterilizable

Pre-filtration

PP Media

BIOFILT

Vaccines, Bio-therapeutics

PHARMAFILT

Oral Drugs, Syrups, Formulations, IV Fluid

BEVFILT

Wine, Fruit Juice, Beer, Mineral Water

CHEMFILT

Solvents, Drug Solutions

COATFILT

Ink, Paints, Print Inks

OILFILT

Oilwell Production

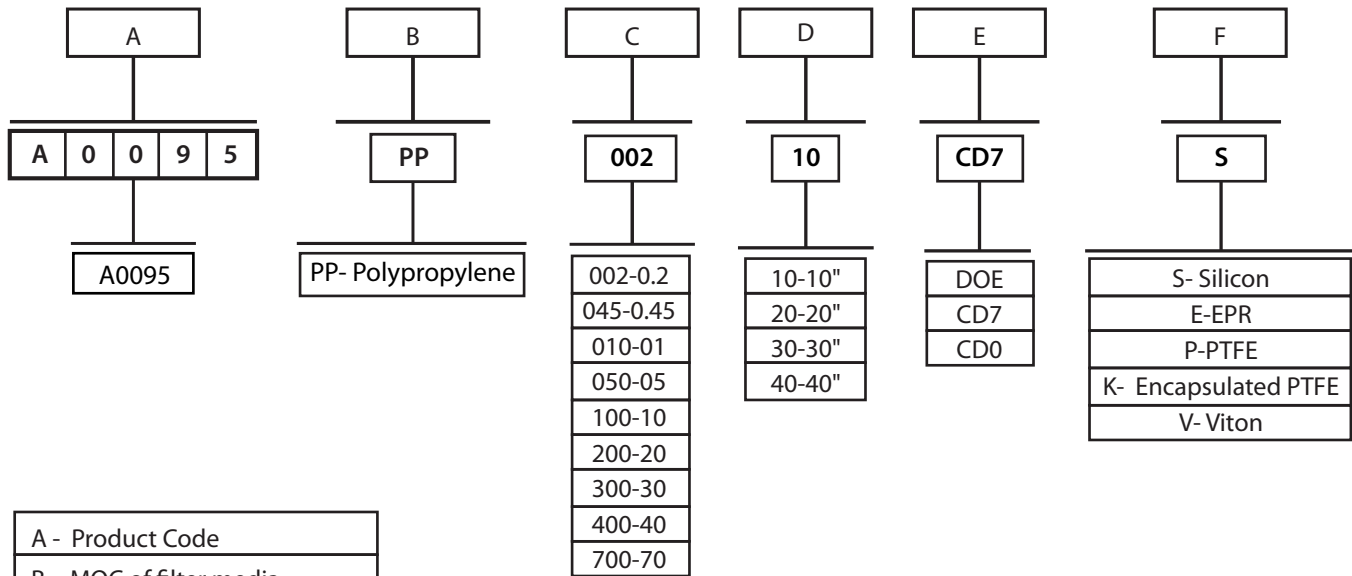
LIFEFILT

Cosmetics, Fragrances

WATERFILT

Utility, WFI, PFW

MICROPP FILTER MEDIA



A - Product Code
B - MOC of filter media
C - Grade/ Micron Rating
D - Configuration(Length/Size)
E - End Connection
F - Sealing Elastomer



www.microfiltindia.com

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Note: Specifications and dimensions may change. Please check with us before ordering.