

# FILTERCOR PLEATED POLYPROPYLENE SERIES PP



Series PP polypropylene cartridges are designed for residential, commercial, and industrial filtration applications. Constructed of durable, chemical resistant polypropylene media, they can be employed on many acids, alkalies, plating solutions, water remediation, and saline solutions.

4 ft<sup>2</sup> of fabric media has been pleated for the standard 2 3/4" diameter by 9 3/4" long cartridge and over 16ft<sup>2</sup> for the larger 4 1/2" diameter by 9 3/4" long version.

FilterCor's newly and recently developed Series PP polypropylene cartridge filters employ a five (5) layered, high porosity "Bi-Component" polypropylene media consisting of both spun bonded and melt blown polypropylene layers laminated together by ultrasonic sealing in order to provide depth filtration to the media. This depth filtration will allow the cartridge to collect more dirt particulate and in most instances offer a longer life. The soft spun bonded polypropylene having distinct dot patterns is employed on the outer three (3) layers to serve as a prefilter to reduce larger particles while the smooth textured dernier melt blown polypropylene, which has been calendered in order to reduce the media pore size, is incorporated on the inner two (2) layers for microfiltration. This arrangement of both the "pre" and "post" filter components provides two separate gradient layers in one filter. "Gradient Density" filters reduce larger particles, which would blind-off ordinary surface filters on their outer layers, while reducing the final particles on their inner layers. This design is an advancement in filtration technology and maximizes utilization of the filtration media while enhancing overall cartridge performance. Cartridge ends have been immersed in vinyl plastisol, creating a unitized end cap and gasket which virtually eliminates by-pass.

## Specifications

**Type:** Pleated Bi-Component Polypropylene  
**Construction:** Bi-Component Polypropylene Media  
 Vinyl Plastisol End Caps  
 Polypropylene Core

**Operating Temperature Range:** 40°F (4.4°C) to 145°F (63°C)  
**Micron Rating:** Nominal 1, 5, 10, 20, 30, 50

**Dimensions:**  
 2 3/4" diam. X 9 3/4", 10" long  
 2 3/4" diam. X 19 1/2", 20" long  
 2 3/4" diam. X 30" long  
 2 3/4" diam. X 40" long

**Max. Recommended Flow Rates:**  
 10 GPM  
 15 GPM  
 20 GPM  
 25 GPM

## Features of "Bi-Component" Polypropylene Media

- LOWER clean initial pressure drops
- MORE uniform filtration and overall enhanced cartridge performance
- HIGH particulate reduction efficiencies up to 95%
- OPERATE at HIGHER velocities and flow rates
- GREATER degree of depth filtration
- ADDED loading capabilities
- "Calandered" filtration barrier
- "Gradient Density" filtration

## Nomenclature

PP
Filter Media
PP- Polypropylene

	1	X	10
Micron Rating	1		10
	5		19 1/2"
	10		20"
	20		30"
	30		40"
	50		

BB
Tube O.D.
All filters are standard 2 5/8" O.D. unless otherwise specified



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