

FilterCor Pleated Polypropylene

Series PP

Features

- 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



Series UPP 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, alkalis, plating solutions, water remediation, and saline solutions. The 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 melt blown polypropylene, which has been calandered 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
 Polypropylene Outer Netting
 Operating Temperature Range: 40°F (4.4°C) to 145°F (63°C)
 Micron Rating: Nominal 1, 5, 10, 20, 30, 50

| Dimensions: | Recommended Flow Rates: |
|----------------------------------|-------------------------|
| 2 3/4" diam. X 9 3/4", 10" long | 4-7 GPM |
| 2 3/4" diam. X 19 1/2", 20" long | 8-14 GPM |
| 2 3/4" diam. X 30" long | 12-21 GPM |
| 2 3/4" diam. X 40" long | 16-28 GPM |

Nomenclature

| UPP | 1 | X | 10 | Tube O.D. |
|--------------------|---------------|---|---------|---|
| Filter Media | Micron Rating | | Length | |
| UPP- Polypropylene | 1 | | 9 3/4" | All filters are standard 2 5/8" O.D. unless otherwise specified |
| | 5 | | 10" | |
| | 10 | | 19 1/2" | |
| | 20 | | 20" | |
| | 30 | | 30" | |
| | 50 | | 40" | |

Custom sizes available, consult factory.

- Warning: • Filter is ideal for filtering out taste, color, and odor particles. But may not be suitable where water is microbiologically unsafe or with unknown quality without adequate disinfection before or after the system.
- Note: • A drinking water cartridge may contain carbon fines. After installation, flush the cartridge for 5 minutes to remove fines before using the water.
 • It is recommended that you run the tap for 20 seconds prior to using the water for drinking or cooking purposes.