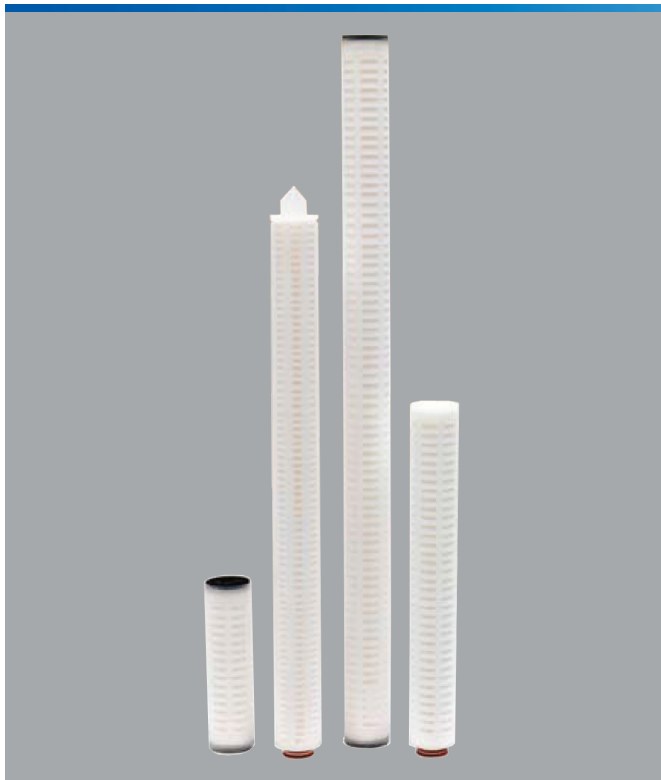


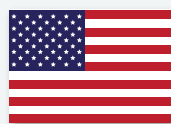
HP-PP Series

Polypropylene – Absolute



Applications

- Food and Beverage
- RO Prefiltration
- Paints and Inks
- Microelectronics
- Plating Solutions
- Water and Wastewater
- Process Water
- Bottled Water
- Chemicals
- Cosmetics



USA MADE

Commercial / Industrial Filtration Applications

Standard Features

- Manufactured in USA
- Absolute-rated beta 5000 (99.98%) retention efficiency
- 5.6 sq. ft. (0.52 m²) of media surface area per 10" length for high throughput and particle retention, and optimal performance and value
- 100% polypropylene construction offers a wide range of chemical compatibility
- Gradient, fixed pore structure increases dirt-holding capacity and resists unloading under high differential pressure
- Manufactured in a state-of-the-art white room for high purity
- Rigid, molded cage provides greater structural stability
- Complies with Food and Drug Administration's CFR criteria for food and beverage contact
- Meets USP Class VI Biological Test for plastics
- Available in continuous lengths up to 40 inches

Specifications, Operating Parameters and Options

Micron Sizes

0.2, 0.45, 1.0, 3.0, 5.0, 10.0, 20.0, 30.0, 40.0, and 50.0

Nominal Lengths

9-3/4" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), and 40" (101.6 cm)

Inside and Outside Diameters

1.0" (2.54 cm) ID, 2.67" (6.78 cm) OD

Media Surface Area

5.6 sq. ft. (0.52 m²) per 10 inches filter length

Maximum Operating Temperature

176°F (80°C) temperature limit

Recommended Change-Out Differential Pressure

35 psid (2.4 bar)

Maximum Differential (Collapse) Pressure

75 psid@70°F (5.2 bar@21°C), 40 psid@176°F (2.8 bar @80°C)

Sanitization and Sterilization

Hot water at 175°F (80°C) at 5 psid for 30 minutes

Inline steam at 257°F (125°C) @ 1 psid (0.7 bar) for 30 minutes

Autoclavable at 257°F (125°C) for 30 minutes

Materials of Construction

Filter media: polypropylene

Outer cage, inner core and end caps: polypropylene

FDA and USP Compliance

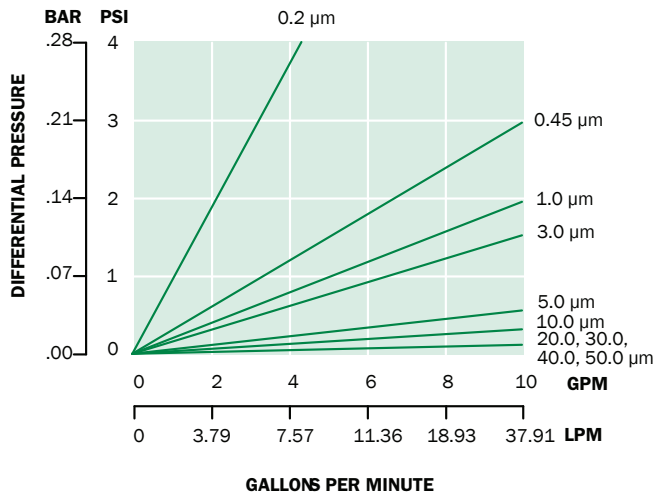
All filters manufactured of virgin polypropylene materials.

All materials comply with FDA requirements for food contact per CFR Title 21 174.5, 177.1520 and 177.1630. All components meet USP Class VI Plastics biological reactivity tests.

Ordering Guide (Example: HP-PP-26100-0.2213-T)

HP	PP	26	100	0.2	213	T
HIGH PURITY PLEATED	MEDIA	CARTRIDGE DIAMETER	CARTRIDGE LENGTH	MICRON RATING	END CAP	O-RING / GASKETS
HP	PP = Polypropylene - Absolute	26 = 2.67" (6.78 cm)	097 = 9-3/4" 100 = 10" 200 = 20" 300 = 30" 400 = 40"	0.2 = 0.2 0.45 = 0.45 1 = 1.0 3 = 3.0 5 = 5.0 10 = 10.0 20 = 20.0 30 = 30.0 40 = 40.0 50 = 50.0	Blank = DOE (standard) 213 = 213 internal O-ring 222f = 222/Flat 222n = 222/Fin 222s = 222/Spring 226f = 226/Flat 226n = 226/Fin SOEf = SOE/Flat SOEs = SOE/Spring SOEn = SOE/Fin Z = Custom	E = EPDM B = Buna N S = Silicone V = Viton T = Teflon

Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase, the ΔP of the housing becomes more apparent.

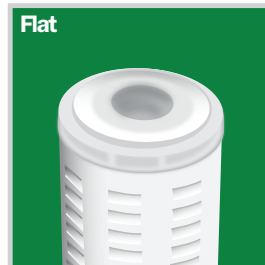
Filter Removal Efficiency

MICRON	BETA 5000 99.98%	BETA 100 99%	BETA 50 98%
0.2 micron	0.20	0.10	0.05
0.45 micron	0.45	0.30	0.20
1.0 micron	1.0	0.65	0.35
3.0 micron	3.0	2.5	2.0
5.0 micron	5.0	4.0	3.0
10.0 micron	10.0	8.0	7.0
20.0 micron	20.0	17.0	15.0
30.0 micron	30.0	26.0	21.0
40.0 micron	40.0	34.0	28.0
50.0 micron	50.0	42.0	36.0



**Filter Housings
Selection Guide**
[CLICK HERE](#)

Available End Cap Configurations



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