PP-Series High Purity Pleated Polypropylene

PP-Series High Purity Pleated Polypropylene Filter Cartridges provide a high area, 100% polypropylene element for removal of fine or coarse particulate from fluid streams.

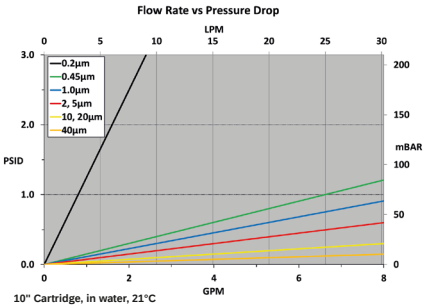
The pleated depth media is encapsulated in an integral, continuous length, thermally-bonded structure for cleanliness, pressure tolerance, and chemical inertness. Offered in both absolute-rated (up to 99,98% retention) and nominally-rated (90% retention) grades in all end configurations.

Manufactured in a clean-room environment to maintain high standards of purity and cleanliness. Commonly used in food/beverage and chemical applications as a final filter or prefiltration stage.



MADE IN FRANCE

Flow Rate vs Pressure Drop



*All data is based on absolute rated medias. Nominally rated medias will result in a pressure drop reduction of approximately 10%.

Typical Applications

- Food & Beverage
- Deionized Water
- R.O. Pre-Filtration
- Process Water
- Fine Chemicals
- Plating Chemicals
- Wastewater
- Pharmaceutical
- Prefiltration

Construction Materials

Filtration Media.....Polypropylene
Support Media.....Polypropylene
End Caps.....Polypropylene
Center Core.....Polypropylene
Outer Support Cage.....Polypropylene
O-Rings/Gaskets.....Buna, EPDM, Silicone, FKM, FEP FKM, FEP Silicone, PTFE

Sanitization / Sterilization

Filtered Hot Water.....80°C for 30 min.
Steam Sterilization.....121°C for 30 min., multiple cycles

Chemicals: Cartridges are compatible with most chemical sanitizing agents.

Note: Stainless steel insert option required for all cartridges being hot water sanitized or steam sterilized for 222 or 226 endcaps.

Toxicity

All polypropylene components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

Dimensions

Length:
10 to 40 inches (25,4 to 101,6 cm) nominal
Outside Diameter:
2,70 inches (7,0 cm) nominal

Note : Specific lengths (OAL) = 64 mm outer cage diameter; all other components and filtration surface area (EFA) remain unchanged.

Operating Conditions

Change Out ΔP (recommended).....2,4 bar
Temperature (max).....80°C
Differential Pressure (max).....4,1 bar at 20°C

Food Safety Compliance

Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 1935/2004 and/or 10/2011.

Ordering Information

PP	Rating (µ)	Retention	Length	C	End Cap Style	O-Rings/Gaskets	-	Options
	0,2	A = Absolute	10"		2 = DOE Flat Gasket	B = Buna		CS = 316SS Compression Spring
	0,45	N = Nominal	20"		3 = 222 w/ Fin	E = EPDM		FG = Glass Reinforced PP Core
	1,0		30"		4 = 222 w/ Flat Cap	S = Silicone		HP = Heavy Poly Core
	2,0		40"		5 = 222 w/ Spring	V = FKM		I = Stainless Steel Insert[2]
	5,0		*		6 = 226 w/ Flat Cap	Z = FEP Silicone		R = 18 Megaohm Rinse[3]
	10,0				7 = 226 w/ Fin	T = FEP FKM (if O-ring and PTFE if DOE)		SS = Stainless Steel Core
	20,0				8 = 226 w/ Spring			
	40,0				16 = 213 Internal O-Ring[1]			
	*				28 = 222 3-tabs w/ Fin			

*Other options on request
[1]Silicone and EPDM only
[2]Stainless Steel Insert (I) Adder comes in standard with the Heavy Poly Core (HP)
[3]Made by Global Filter US in the USA

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required. For additional technical support, a product Performance Guide is available upon request.

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