

PharmBiologic Solutions, LLC

Advancing custom solutions

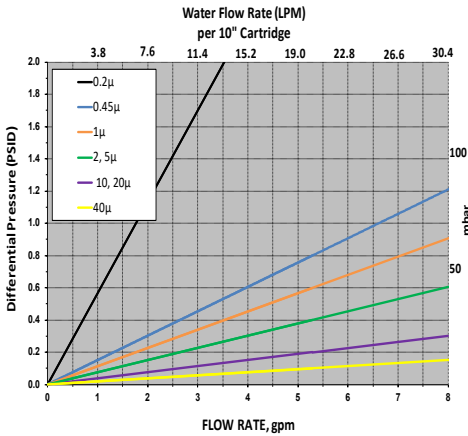


High Purity - PP Pleated Polypropylene Cartridge

Pleated Polypropylene Cartridges are designed for use in most applications where absolute rated pleated filtration is needed. Designed to hold 6.5 square feet of filtration media, our High Purity - PP cartridges are a great value. These cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. PP cartridges are offered in both absolute (to 99.98%) and nominal (90%) retention efficiencies.



Flow Rate vs Pressure



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

Maximum Recommended Operating Conditions

Change Out ΔP 35 PSI
Temperature 176°F (80°C)

Ordering Information

PP	Rating (µ)	Retention	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
	0.2	A = Absolute	10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
	0.45	N = Nominal	20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		HP = Heavy Poly Core
	1.0		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		FG = Glass Reinforced PP Core
	2.0		40" (101.6 cm)		5 = 222 w/ Spring	V = Viton®		SS = Stainless Steel Core
	5.0				6 = 226 w/ Flat Cap	T = Teflon® Encapsulated Viton®		R = 18 Megohm Rinse
	10.0				7 = 226 w/ Fin	Z = Teflon® Encapsulated Silicone		CS = 316ss Compression Spring
	20.0				8 = 226 w/ Spring			
	40.0				16 = 213 Internal O-Ring			

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.

Typical Applications

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

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal

Outside Diameter:
2.70 inches (7.0 cm) nominal

Construction Materials

Filtration Media Polypropylene
Support Media Polypropylene
End Caps Polypropylene
Center Core Polypropylene
Outer Support Cage Polypropylene
O-Rings/Gaskets Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

Sanitization/Sterilization

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

Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.

Note: Stainless steel insert option needed for all cartridges being hot water sanitized or steam sterilized.

FDA Listed Materials

Manufactured from materials which are listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity

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

