

# PharmBiologic Solutions, LLC

## Advancing custom solutions

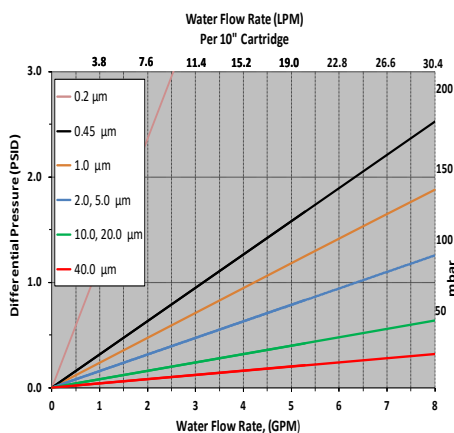


### Economy - PP Pleated Polypropylene Cartridge

**Economy Pleated Polypropylene Cartridges** offer a highly efficient and cost-effective filtration option for use in a wide variety of applications. These cartridges are constructed of 100% polypropylene materials and are assembled using the latest thermal-bonding equipment. Cartridges are offered in DOE and 222 end configurations as well as in both nominal (90%) and absolute (to 99.98%) retention efficiencies.



### 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
- Photographic
- Deionized Water
- R.O. Membrane
- Pre-Filtration
- Process Water
- Fine Chemicals
- Process
- Plating Chemicals
- Wastewater
- Produced Water
- Cosmetics

### Dimensions

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

**Outside Diameter:**  
2.50 inches (6.35 cm) nominal

### Maximum Recommended Operating Conditions

**Change Out** ..... ΔP 35 PSI

**Temperature** ..... 176°F (80°C)

### Construction Materials

**Filtration Media** ..... Polypropylene

**Support Media** ..... Polypropylene

**End Caps** ..... Polypropylene

**Center Core** ..... Polypropylene

**Outer Support Netting** ..... Polypropylene

**O-Rings/Gaskets** ..... Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

### 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.

### Ordering Information

PPE	Rating (μ)	Retention	Length	N	End Cap Style	O-Rings/Gaskets	-	Adders
	0.2	A = Absolute	10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna		SS = Stainless Steel Core
	0.45	N = Nominal	20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		CS = 316ss Compression Spring
	1.0		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		
	2.0		40" (101.6 cm)		5 = 222 w/ Spring	V = Viton®		
	5.0					T = Teflon® Encapsulated Viton®		
	10.0							
	20.0							
	40.0							

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.

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