

PharmBiologic Solutions, LLC

Advancing custom solutions



Filter Data Sheet

Bi-Component Filter Cartridge - GPB

Thermally-Bonded Polyolefin Filter Cartridge

Thermally-bonded polyolefin fibers are used in the construction of the **Bi-Component Filter Cartridges**. The unique fiber-to-fiber bond forms a very stable porosity. The patented construction process of these Bi-Component Filter cartridges provides consistent filtration and eliminates pore size variability and media migration.

The rigid construction also provides a three dimensional fiber network that offers a high tolerance to differential pressures. This unique feature also prevents changes in fiber matrix throughout the life of the filter. This delivers consistently precise filtration and ensures against contaminant unloading.

Purity

GPB series filter cartridges are free of additives, wetting agents, binders, and silicone.



Construction Materials

Filtration Media Polyolefin
End Caps Polypropylene

Typical Applications

R.O. Pre-filtration High-purity Inks
 Food and Beverage Resins
 Paints and Coatings Particle Classifications

FDA Listed Materials

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

Dimensions

Length:
 9.75 to 40 inches (24.8 to 102 cm) nominal
Outside Diameter:
 2.6 inches (6.6 cm)
Inside Diameter:
 1.1 inch (2.8 cm)

Maximum Recommended Operating Conditions

Differential Pressure 80 PSI
Temperature 176°F (80°C)

Ordering Information

GPB	Rating (μ)		-	Length	-	End Cap Style	O-Rings/Gaskets
Polyolefin	1	(Cuno "A")		9.75" (24.76 cm)		Blank = None	Blank = None
	3	(Cuno "B")		10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna
	5	(Cuno "C")		19.5" (49.53 cm)		3 = 222 w/Fin	E = EPDM
	10	(Cuno "D")		20" (50.8 cm)		4 = 222 w/Flat Cap	S = Silicone
	25	(Cuno "E")		29.25" (74.29 cm)		5 = 222 w/Spring	V = Viton
	50	(Cuno "G")		30" (76.2 cm)		6 = 226 w/Flat Cap	P = Polyfoam
	75	(Cuno "L")		39" (99.1 cm)		7 = 226 w/Fin	
	100	(Cuno "Q")		40" (101.6 cm)		8 = 226 w/Spring	
	150	(Cuno "W")				9 = SOE w/ Spring	
	200					10 = DOE w/ Core Extender	
	300						

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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