

optimum filter

Filter Data Sheet

High Purity – Food and Beverage Grade Nylon 6,6 and Plus+ Nylon 6,6 Hydrophilic Nylon 6,6 for the Food and Beverage Industry

Food and Beverage Grade Nylon 6,6 Cartridges are naturally hydrophilic requiring no surface treatments that can leach into your process. Food and Beverage Grade Cartridges are designed to comply with all FDA requirements for food contact. Available in both our standard and Plus+ grades. The Plus+grade membrane is modified with a high positive charge for removal of endotoxins and small negatively charged contaminants. All Food and Beverage Grade Cartridges are flushed with DI water to minimize extractable. Cartridges are also integrity tested.



Filter Grade (µm)	DI Water Flow per 1 PSID (gpm/10" (25.4 cm) equivalent)
0.03	0.75 (2.9 lpm)
0.05	0.8 (3.0 lpm)
0.1	1.2 (4.5 lpm)
0.2	2.4 (9.1 lpm)
0.45	4.0 (15.1 lpm)
0.65	6.0 (22.7 lpm)
0.8	6.5 (24.6 lpm)
1.2	7.0 (26.5 lpm)

Typical Applications

Drinking Water
Wine
Soft Drinks
Electronics - Photoresists
Pharmaceutical
Fermentation
Endotoxin Removal

Construction Materials

Membrane.....Nylon 6,6
Support Media.....Polypropylene
End Caps.....Polypropylene
Center Core.....Polypropylene
Outer Support Cage.....Polypropylene
O-Rings/Gaskets.....Buna, Viton, EPDM, Silicone, 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.

Dimensions

Length:
10 to 40 inches (25.4 to 101.6 cm) nominal
Outside Diameter:
2.70 inches (7.0 cm) nominal

Maximum Differential Pressures

Forward.....50 PSI (3.4 bar) at 20°C
Reverse.....40 PSI (2.7 bar) at 20°C

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

GFHNY	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	-	Adders
GFHNY+	0.03		10 (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
	0.05		20 (50.8 cm)		3 = 222 w/ Fin	E = EPDM		
	0.1		30 (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		
	0.2		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton		
	0.45				7 = 226 w/ Fin	T = Teflon® Encapsulated Viton		
	0.65				16 = 213 Internal O-Ring			
	0.8							
	1.2							

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