

optimum filter

Filter Data Sheet

High Purity – General Grade Teflon® Hydrophobic Teflon® Membrane for Liquid and Air Applications

General Grade Teflon® Cartridges are designed for multi-purpose use wherever a cost effective Teflon® membrane cartridge is required. These Teflon® membranes are hydrophobic and resists wetting in critical air/vent applications. Priced below special purpose Teflon® filter cartridges, General Grade Teflon® Cartridges are still manufactured with the same careful attention to quality and performance.



Filter Grade (µm)	DI Water Flow per 1 PSID (gpm/10" (25.4 cm) equivalent)
0.1	1.25 (4.7 lpm)
0.2	2.8 (10.6 lpm)
0.45	5.7 (21.5 lpm)

Typical Applications

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

Construction Materials

Membrane.....Teflon®
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

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

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