

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. Typical applications include: aggressive fluids, venting, and air/gas filtration. Teflon membrane is 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.



Flow Rate

The following table represents typical water flow at one psi (69 mbar) pressure differential across a single 10 inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent.

Pore Size	GPM
0.1 µm	1.25
0.2 µm	2.8
0.45 µm	5.7
1.0 µm	9.0
3.0 µm	11.4

Construction Materials

MembraneTeflon®
Support MediaPolypropylene
End CapsPolypropylene
Center CorePolypropylene
Outer Support CagePolypropylene
O-Rings/Gaskets..Buna, Viton, EPDM, Silicone, Teflon® Encapsulated Viton

Sanitization/Sterilization

Filtered Hot Water80°C for 30 Minutes
Steam Sterilization...121°C for 30 min, multiple cycles

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

Note: Stainless 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:
2.75 inches (7.0 cm) nominal

Maximum Differential Pressures

Forward50 psi (3.4 bar) at 20°C
Reverse40 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	
	1.0		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton	
	3.0				7 = 226 w/ Fin	T = Teflon Encapsulated Viton	
					16 = 213 Internal O-Ring		