

Filter Data Sheet

High Purity - General Grade Nylon 6,6 and Plus+ Nylon 6,6 Hydrophilic Nylon 6,6 for Liquid Applications

General Grade Nylon 6,6 Cartridges are naturally hydrophilic requiring no surface treatments that can leach into your process. The General Grade Cartridge is 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. This cartridge is designed to hold the maximum amount of Nylon 6,6 membrane that can be effectively utilized in a cartridge.

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 housing with multiple elements and higher pressure drops is acceptable, but as flow increases the pressure drop of the housing becomes more apparent.

Pore Size	GPM
0.1 µm	1.2
0.2 µm	2.4
0.45 µm	4.0
0.65 µm	6.0
0.8 µm	6.5
1.0 µm	7.0



Construction Materials

MembraneNylon 6,6
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

GGHNY	Pore Size	A	Length	C	End Cap Code	O-Rings/Gaskets	Adders
GGHNY +	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	
	0.65		40 (101.6 cm)		6 = 226 w/ Flat Cap	V = Viton	
	0.8				7 = 226 w/ Fin	T = Teflon Encapsulated Viton	
	1.0				16 = 213 Internal O-Ring		