



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 designed for general purpose use wherever a cost-effective membrane filter is required. GFHNY cartridges are available in both standard and Plus+ grades. The Plus+ grade membrane is modified with a highly positive charge; allowing for the removal of particles that are significantly smaller than the membrane's rating. The Extended Area option (GGHNYX) offers up to 40% more surface area. This additional area results in significant increases in flowrate and loading-capacity in the same footprint.



Flow Rate vs Flow Specifications

Rating (μ)	DI Water Flow per 1 PSID (gpm/10" (25.4cm) 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)

* Data represents GGHNY. For GGHNYX option, multiply given flowrate by 1.4.

Typical Applications

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

Ordering Information

GGHNY	Rating (μ)	A	Length	C	End Cap Style	O-Rings/Gaskets	-	Adders
GGHNY+	0.03		10" (25.4 cm)		2 = DOE Flat Gasket	B = Buna		I = Stainless Steel Insert
GGHYNX	0.05		20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		CS = 316ss Compression Spring
GGHYNX+	0.1		30" (76.2 cm)		4 = 222 w/ Flat Cap	S = Silicone		R = 18 Megohm Rinse
	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	Z = Teflon® Encapsulated Silicone		
	0.8							
	1.2							

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.

Construction Materials

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