

# PharmBiologic Solutions, LLC

## Advancing custom solutions

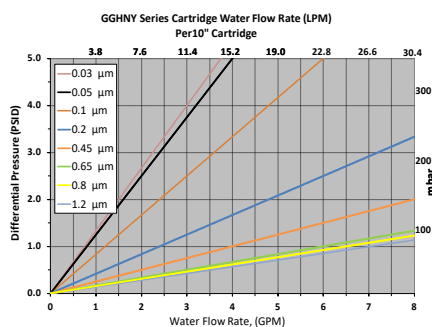


### High Purity - General Grade Nylon 6,6 and Plus+ Nylon 6,6 Hydrophilic Nylon 6,6 for Liquid Applications

**General Grade Nylon 6,6 Cartridges** are designed for general purpose use wherever a cost-effective membrane filter is required. GGHNY 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 Pressure Drop



\* 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
GGHNYX	0.05		20" (50.8 cm)		3 = 222 w/ Fin	E = EPDM		CS = 316ss Compression Spring
GGHNYX+	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	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.

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