



## InterPore G

### General Grade Nylon - Nylon Membrane for Liquid Applications

**General Grade Nylon Cartridges** are designed for general purpose use wherever a cost effective pleated membrane filter is required. Designed to hold the maximum amount of filter media that can be completely and effectively utilised in a cartridge, general grade filters lower the cost of filtration. Priced below special purpose cartridges, general grade cartridges are still manufactured with the same careful attention to both quality and performance.

#### Flow Rate

The following table represents typical water flow at 69 mbar (one psi) 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 flows increase the pressure drop of the housing becomes more apparent.



Pore Size	l/min
0.1 µm	3,8
0.2 µm	5,7
0.45 µm	15,1
0.65 µm	22,7
0.8 µm	24,6
1.0 µm	26,5

#### Construction Materials

**Filtration Media** ..... Nylon 6,6  
**Support Media** ..... Polypropylene  
**End Caps** ..... Polypropylene  
**Center Core** ..... Polypropylene  
**Outer Support Cage** ..... Polypropylene  
**O-rings/Gaskets** ..... Silicone, EPDM, Buna, Viton, Teflon® Encapsulated Viton, Polyfoam

#### Absolute Filtration Ratings

99.98% ( $\beta_x=5000$ ) removal efficiencies.

#### Sanitisation/Sterilisation

**Filtered Hot Water** ..... 90°C  
**Autoclave** ..... 127°C, 30 min, multiple cycles  
**In-line Steam** ..... 135°C, 30 min, multiple cycles  
**Chemical Sanitisation** - Industry standard concentrations of hydrogen peroxide, peracetic acid, sodium hypochlorite and other selected chemicals.

#### Dimensions

**Length:**  
10 to 40 inches (25.4 to 101.6 cm) nominal  
**Outside Diameter:**  
2.70 inches (7.0 cm) nominal  
**Filter Area:** 0,7 m<sup>2</sup> per 10"

#### Maximum Recommended Operating Conditions

**Temperature** ..... 80°C

#### Maximum Differential Pressures

**Forward** ..... 3,4 bar at 20°C  
**Reverse** ..... 2,7 bar at 20°C

#### Product Purity

All components FDA acceptable per 21 CFR. All polypropylene components meet the specifications for biological safety per USP Class VI-121 C for plastics.

#### Ordering Information (universal ordering code, not all options are available)

NPG	Pore Size	Length	End Cap Code	O-Rings/Gaskets
	0,1 = 0,1 µm	1 = 10" (25.4 cm)	1 = DOE with Gaskets	1 = Silicone
	0,2 = 0,2 µm	2 = 20" (50.8 cm)	2 = SOE -222 O-rings with Flat Cap	2 = EPDM
	0,45 = 0,45 µm	3 = 30" (76.2 cm)	3 = SOE -222 O-rings with Fin	3 = Buna
	0,65 = 0,65 µm	4 = 40" (101.6 cm)	4 = SOE -222 O-rings with Spring	4 = Viton
	0,8 = 0,8 µm	Y = 5" (12.7 cm)	5 = SOE -226 O-rings with Spring	5 = Teflon® Encapsulated Viton
	1,0 = 1,0 µm		6 = SOE -226 O-rings with Flat Cap	6 = Polyfoam End Gaskets
			7 = SOE -226 O-rings with Fin	
			8 = SOE with Spring	
			9 = SOE with Core Extender	