

PureFlo® Biological Grade PES Filter

Capsules

PureFlo® Biological Reduction Grade Filter Capsule with its all polypropylene hardware have been designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small scale applications. The small compact design of the filter capsule also reduces hold-up volume and exposure to hazardous chemicals. No adhesives, binders, or surfactants are used in the manufacturing process. The unit is thermally welded to insure integrity. The capsules are available in 1.5, 2.5, 5, 7.5 and 10 inch capsules.

These capsules are manufactured under ISO 9001:2008 quality procedures for the Design, Development and Manufacturing of Filtration Products for Pharmaceutical, Medical, Food and Beverages, and Microelectronics applications, under the Environmental Management System of ISO 14001:2004, and under the Quality Management System of ISO 13485:2003 for the Design, Development Production and Distribution of Filtration Products for Medical Use.

All filters are 100% integrity tested to ensure filter performance each and every time out of the package.

Applications	
Culture media	Fermentation Broths
Serums	LVP (Large Volume Parenterals)
Vaccines	Pharmaceuticals
Cosmetics	Biologics
Antibiotics	Beverages
High Purity Water	Scale up processes



Materials of Construction

Membrane: PES
 Supports: Polypropylene
 Capsule Body: Polypropylene

Operating Conditions

Max. differential pressure: 30 psid (2 bar)
 Maximum Operating Pressure Liquid:
 60 psig @ 77° F (4 Bar @ 25° C)
 Maximum Operating Pressure Gas:
 30 psig @ 77° F (2 Bar @ 25° C)
 Maximum Operating Temperature: 60° C

Effective Filtration Area

1.5 in -	0.65 ft ²	(600 cm ²)
2.5 in -	1.3 ft ²	(1200 cm ²)
5 in -	2.7 ft ²	(2400 cm ²)
7.5 in -	4.2 ft ²	(3900 cm ²)
10 in -	5.6 ft ²	(5200 cm ²)

Regulatory Compliance

Manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations. PES, and Glass Fiber also comply with the USP Class VI Biological test for Plastics.

Autoclavable & Sanitizable

Autoclaved 25 times at 257 F/125 C for 30 minutes. Chemically sanitized in situ using common sanitizing agents or hot water at 194 F/90 C for a limited time.

Capsules must NOT be in situ steam sterilized

PureFlo® Biological Grade PES Filter Capsules

Features	Benefits
Hydrophilic PES Membrane (Absolute Rated)	Inherently hydrophilic High flow rate reduces processing time Low Protein-binding membrane maximizing yields Biologically inert membrane Bacterial Retentive to produce sterile solutions
Wide Chemical & Thermal Compatibility	Provides excellent compatibility with a wide-range of chemicals
Low Filter Extractables	No adhesives, binders, or surfactants are used during manufacturing resulting in superior downstream cleanliness All cartridges are rinsed with pyrogen-free water

PureFlo Biological Grade PES Filter Capsule Ordering Guide

Pureflo Capsule Filter	Filter Media	Pore Size	Length	Inlet Fitting	Outlet Fitting	Options
SKL - Capsule Filter with Standard Grade Luer Lock Vent and Drain	S = PES	005 = 0.05	H = 1.5"	1C = 1/8" compression (JACO)	1C	Packaging
		010 = 0.1	S = 2.5"	1H = 1/8" Hose Barb	1H	Blank = Bulk Packaged
		020 = 0.2	L = 5"	1N = 1/8" NPTM	1N	- 1 = Single Bagged
		045 = 0.45	E = 7.5"	1NF = 1/8" FNPT	1NF	Grade
		065 = 0.65	K = 10"	1Q = 1/8" Male Quick Coupling	1Q	-B = Biological Reduction Grade
		080 = 0.8		1QE = 1/8" Male Quick Coupling Elbow	1QE	Shell Material
		120 = 1.2		1QF = 1/8" Female Quick Coupling	1QF	Blank = Polypropylene
				1QV = 1/8" Quick Valved Coupling	1QV	- E = Polyethylene Shell (for Gamma Stability)
				1QVF = 1/8" Female Quick Valved Coupling	1QVF	-GP = GammaStable Polypropylene Shell
				2C = 1/4" Compression	2C	-NY = Nylon Shell
				2H = 1/4"-1/2" Hose Barb	2H	Sterilization
				2H-FB = 1/4" Hose Barb with Filling Bell	2H-FB	-ETO = Ethylene Oxide Sterilization
				2N = 1/4" MNPT	2N	O-Ring for Quick Connect
				2NF = 1/4" FNPT	2NF	Blank = Silicon
				2P = 1/4 Push to Connect	2P	-OE = EPDM
				2PE = 1/4" Pust to Connect Elbow	2PE	-ON = Nitrile
				2V = 1/4" Walther Quick Connect	2V	-OV = Viton
				3H = 3/8" Hose Barb	3H	PreFilter (Add before Filter Media)
				3H-FB = 3/8" Hose Barb with Filling Bell	3H-FB	G (pore size) = Glass Fiber
				3HE = 3/8" Hose Barb Elbow	3HE	P (pore size) = Polypropylene
		3N = 3/8" MNPT	3N	S (pore size) = PES		
		3NF = 3/8" FNPT	3NF	Vent and Drain		
		4H = 1/2" Hose Barb	4H	-N = No Vent or Drain		
		4N = 1/2 MNPT	4N			
		4Q = 1/2" Male Quick Coupling	4Q			
		5H = 5/8" Hose Barb	5H			
		8C = 5/16' Compression	8C			
		MT = 1/2" Tri-Clamp	MT			
		TC = 1.5" Tri-Clamp	TC			
		TS = Shower Head	TS			

<p>Your Local Distributor:</p> <p style="text-align: center; color: red;">PHARMBIOLOGIC SOLUTIONS</p> <p style="text-align: center; color: red;">P*317-415-0179 F*317-536-3937</p>	<p style="text-align: center;">Please Visit Us At:</p> <p style="text-align: center; color: red;">www.pharmbiologicsolutions.com</p> <p style="text-align: center; color: red;">info@pharmbiologicsolutions.com</p> <p style="text-align: center; color: red;">P*317-415-0179 F*317-536-3937</p> <p>ZenPure and PureFlo are registered trademarks of ZenPure Corporation or an affiliated company. Copyright 2008 ZenPure or an affiliated company. All rights reserved.</p>
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