

PureFlo Nylon Screen Filter Capsules (Nylon Screen on PP Construction)

Screen Filtration

PureFlo® nylon screen capsule filters are designed for filtration and clarification applications in the pharmaceutical, biotechnology, food and beverage, medical, chemical, and water worldwide. This family of products is particularly suitable for the fluids with large sizes particles. The nylon screen removes particles by a sieving. Hard particles can be easily removed by the use of these units.

The nylon screen in an all-polypropylene construction provides excellent chemical compatibility. It can also be constructed in Nylon, Polyethylene and Gamma stabilized PP shells. PureFlo nylon screen filter capsules are well-suited for applications. No adhesives, binders, or surfactants are used in the manufacturing process. All capsules are rinsed with high-purity water to reduce extractables and downtime in a clean room environment to ensure filter performance each and every time out of the package.



Applications	
Clarification	Water
Hard Particle	Beverages
Cell Removal	Pharmaceuticals
Chemicals	Biologics

Specifications

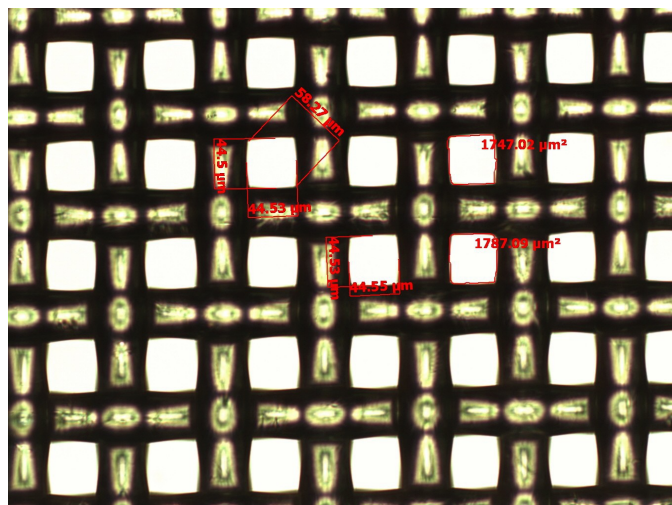
Materials of Construction:	Media: Nylon Screen Media Supports: None Cage, Core, End Caps: Polypropylene, Gamma Stabilized PP, Nylon Sealing: Thermally bonded
Fitting Connections:	See ordering guide for the availability. (Custom adaptors available upon request)
Effective Filtration Area:	Lengths: 1.5" 0.65ft ² (500cm ²), 2.5" 1.3ft ² (1000cm ²), 5" 2.1ft ² (2000cm ²), 7.5" 3.2ft ² (3000cm ²) and 10" 4.3ft ² (4000cm ²) Diameter: 2.75 in. (70mm)
Available Ratings:	10um, 20um, 40um, 60um, 100um, and 200um
Operating Conditions:	Maximum Operating Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C Gas: 4.1 bar (60psi) at 77°F/25°C Maximum Forward Differential Pressure: 4.21 bar (60psi) at 68°F/20°C Maximum Reverse Differential Pressure: 2.1 bar (30 psi) at 68°F/20°C Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C Maximum Operating Temperature: 176°F (80°C)
Regulatory Compliance:	The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

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Specifications (cont.)

Sanitization:

The filters can be sterilized by autoclaving for up to 25 cycles at 125°C (250°F) for 60 minutes. The filters can also be sanitized by hot water or common chemicals that are compatible with Nylon and polypropylene.



60um Nylon Screen

PureFlo Nylon Screen Filter Capsule Ordering Guide

PureFlo Capsule Filters	Vent & Drain Fitting	Filter Media	Pore size (Micron)	Length	Input Fitting	Output Fitting	Options
SK 70mm Diameter Capsule	L = Female Luer Lock P = M8 Threaded Plug - Limited options N = No vent or drain fittings	NS = Nylon Screen	100 = 10	H = 1.5"	1H = 1/8" Hose barbs	1H = 1/8" Hose barbs	-GP = Gamma stable polypropylene shell -NY = Nylon Construction -FB = Filling bell -FC = Filling bell with Cap -ETO = Ethylene oxide sterilization -NI = No vent or drain inlet fitting -NO = NO vent or drain Outlet fitting -E = Polyethylene shell and HDPE media support for gamma sterilization
			200 = 20	S = 2.5"	1NF = 1/8" FNPT	1NF = 1/8" FNPT	
			400 = 40	L = 5"	1Q = 1/8" Male Quick Coupling for Metal latch	1Q = 1/8" Male Quick Coupling for Metal latch	-O-Ring for Quick Coupling -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton -Blank = O-ring Silicon (Standard)
			600 = 60	E = 7.5"	1QF = 1/8" Female Quick Coupling w/Metal latch	1QF = 1/8" Female Quick Coupling w/Metal latch	PreFilters -G(pore Size) = Glass Fiber PreFilter -P(pore Size) = PolyPro Media PreFilter -S(pore Size) = PES PreFilter
			100X = 100	K = 10"	2C = 1/4" Compression	2C = 1/4" Compression	
			200X = 200		2H = 1/4" to 1/2" Hose barbs	2H = 1/4" to 1/2" Hose barbs	
					2HS = 1/4" to 3/8" Hose barbs	2HS = 1/4" to 3/8" Hose barbs	
					2LF = Large Female Luer Lock fitting	2LF = Large Female Luer Lock fitting	
					2N = 1/4" MNPT	2N = 1/4" MNPT	
					2NF = 1/4" FNPT	2NF = 1/4" FNPT	
					2Q = 1/4" Male Quick Coupling for Metal latch	2Q = 1/4" Male Quick Coupling for Metal latch	
					2QF = 1/4" Female Quick Coupling w/Metal latch	2QF = 1/4" Female Quick Coupling w/Metal latch	
					2QFP = 1/4" Female Quick Coupling w/Plastic latch	2QFP = 1/4" Female Quick Coupling w/Plastic latch	
					2QP = 1/4" Male Quick Coupling for Plastic latch	2QP = 1/4" Male Quick Coupling for Plastic latch	
					3C = 3/8" Compression	3C = 3/8" Compression	
					3H = 3/8" Hose Barb	3H = 3/8" Hose Barb	
					3HE = 3/8" Hose Barb Elbow	3HE = 3/8" Hose Barb Elbow	
					3NF = 3/8" FNPT	3NF = 3/8" FNPT	
					4C = 1/2" Compression	4C = 1/2" Compression	
					4H = 1/2" Hose Barb	4H = 1/2" Hose Barb	
					4N = 1/2" MNPT	4N = 1/2" MNPT	
					4QP = 1/2" Male Quick Coupling for Plastic latch	4QP = 1/2" Male Quick Coupling for Plastic latch	
					MT = 1/2" Tri clamps	MT = 1/2" Tri clamps	
					TC = 1-1/2" Tri clamp	TC = 1-1/2" Tri clamp	
<p>Example - SK Series Capsule, Luer Lock V/D, 2.5" Internal filter, 20 micron Nylon Screen Capsule, Standard Grade, with 1.5" Tri-Clamp fittings would be SKLNS200STCTC</p> <p><small>Quick Couplings are molded. Female Quick Coupling with Plastic latch will be threaded on, compatible with CPC (Colden), LinkTech and others.</small></p>							



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