

PureFlo Nylon Capsules (SKV Series)

Nylon Capsule

PureFlo® SKV Series Nylon filter capsules are highly retentive, naturally hydrophilic nylon membrane filters that have been specially designed for liquid applications. The nylon membrane in an all-polypropylene construction provides excellent chemical compatibility and superior flow per unit area as compared to other membrane capsules. No adhesives, binders, or surfactants are used in the manufacturing process. All capsules are rinsed with high-purity water to reduce extractables and downtime.

The naturally hydrophilic nylon membrane does not require pre-wetting with IPA and flushing with DI water, thereby eliminating a potential source of contamination and hazardous waste.

All filter capsules are 100% integrity tested to ensure filter performance each and every time out of the package. PureFlo nylon filter capsules are well-suited for critical applications where superior flow and particle removal efficiency at 0.05, 0.1, 0.2, 0.45, 0.65, 0.8 and 1.2 micron is required.



Applications	
Solvents Water	
Hard Particle	Beverages
Cell Removal	Pharmaceuticals
Chemicals Biologics	

Specifications

Materials of Construction: Media Cage,	Media: Naturally Hydrophilic Nylon 6,6 Supports: Polypropylene Core, End Caps: Polypropylene Sealing: Thermally bonded
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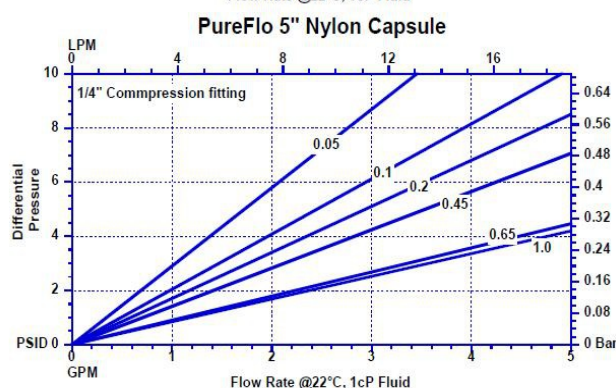
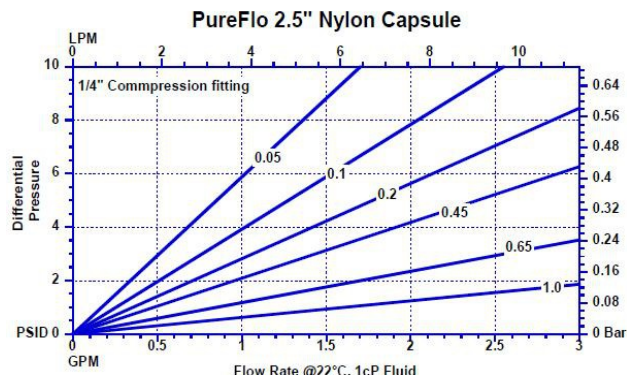
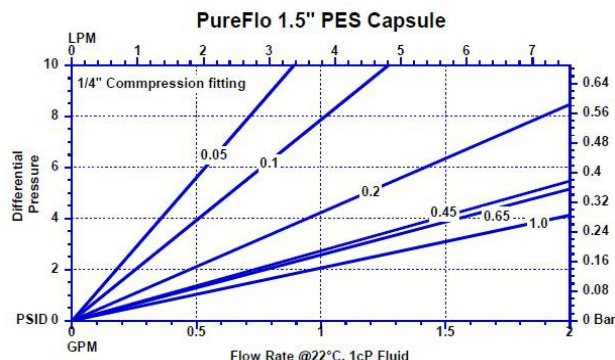
Fitting Connections:	See ordering guide for the availability. (Custom adaptors available upon request)
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Nominal Dimensions:	Length: 1.5 in. (38 mm), 2.5 in. (75 mm), 5 in. (127 mm), 7.5 in. (191 mm), and 10 in. (254 mm) Diameter: 2.88 in. (73 mm)
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Effective Filtration Area: 5.0	1.5 in - 0.74 ft ² (690 cm ²), 2.5 in - 1.4 ft ² (1300 cm ²), in - 2.64 ft ² (2450 cm ²), 7.5 in - 4.0ft ² (3720 cm ²), 10 in - 5.3 ft ² (4920 cm ²)
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Operating Conditions: Maximum	Maximum Operating Pressure: Liquid: 5.5 bar (80 psi) at 22 °C Gas: 4.1 bar (60 psi) at 22 °C Maximum Forward Differential Pressure: 4.2 bar (60 psi) at 22 °C Maximum Reverse Differential Pressure: 2.1 bar (30.5 psi) at 22 °C Minimum Burst Pressure: 8.3 bar (120 psi) at 22 °C Operating Temperature: 60 °C
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Specifications (cont.)

Autoclavable & Sanitizable:

Capsules can be autoclaved 5 times at 125 °C (257 °F) for 30 minutes or chemically sanitized in situ using common sanitizing agents or hot water at 90 °C (194 °F) for a limited time (dependent on time and temperature). Capsules must not be in situ steam-sterilized.

Regulatory Compliance:

The filters are constructed with polypropylene resins and filtration media in compliance with 21 CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

PureFlo SKV Series Nylon Capsule Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Internal Filter Length	Input Fitting	Output Fitting	Options	
SKV 70mm Diameter Capsule with Bleed Valve	N = Nylon	005 = 0.05	H = 1.5"	1H 1H = 1/8" Hose barbs	= 1/8" Male Quick Coupling with Metal latch	Shell Material Blank = Polypro construction	O-Ring for Quick Coupling -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton Blank = O-ring Silicon
		010 = 0.10	S = 2.5"	1Q 1Q = 1/8" Male Quick Coupling with Metal latch			
		020 = 0.20	L = 5"	1QF 1QF = 1/8" Female Quick Coupling with Metal latch			
		045 = 0.45	E = 7.5"	1QFV 1QFV = 1/8" Female Valved Quick Coupling with Metal latch			
		065 = 0.65	K = 10"	1QV 1QV = 1/8" Male Valved Quick Coupling with Metal latch		-E = Polyethylene shell and HDPE media support for gamma sterilization	PreFilters
		080 = 0.80		2H 2H = 1/4" Hose barb		-GP = Gamma stable polypropylene shell	-G(pore Size) = Glass Fiber PreFilter
		120 = 1.20		2HL 2HL = 1/4" to 1/2" Hose barbs		-NY = Nylon Shell	-P(pore Size) = PolyPro Media PreFilter
				2H-FB 2H-FB = 1/4" Hose Barb with filling bell -FC with Cap		Sterilization	-S(pore Size) = PES PreFilter
				2N 2N = 1/4" MNPT		-ETO = Ethylene oxide sterilization	
				2P 2P = 1/4" Push to Connect		Vent & Drain	
				2PE 2PE = 1/4" Push to Connect Elbow		-N = No vent or drain fittings	
				2Q 2Q = 1/4" Male Quick Coupling for Metal latch		-NI = No vent or drain inlet fitting	
				2QF 2QF = 1/4" Female Quick Coupling with Metal latch		-NO = No vent or drain Outlet fitting	
				2QFV 2QFV = 1/4" Female Valved Quick Coupling with Metal latch			
				2QP 2QP = 1/4" Male Quick Coupling for Plastic latch			
				2QV 2QV = 1/4" Male Valved Quick Coupling with Metal latch			
				2V 2V = 1/4" Walthor Quick Connect			
				3H 3H = 3/8" Hose Barb			
				3H-FB 3H-FB = 3/8" Hose Barb with filling bell or -FC with Cap			
				4H 4H = 1/2" Hose Barb			
				4Q 4Q = 1/2" Male Quick Coupling for Plastic latch			
				5H 5H = 5/8" Hose Barb			
				MT MT = 1/2" Tri clamps			
				TC TC = 1-1/2" Tri clamp			
				TS = Shower Head			
<p>Example - PureFlo SKV Series Capsule, Nylon, 2.5" internal filter, 0.2 micron, with 1.5" Tri-Clamp fittings I/O, would be SKVN020STCTC</p> <p><small>Note: Quick Couplings are mated on. Female Quick Coupling with Plastic latch will be threaded on. Compatible with CPC (Colder), LinkTech and others.</small></p>							



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