

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: Naturally Hydrophilic Nylon 6,6
Media Supports: Polypropylene
Cage, Core, End Caps: Polypropylene
Sealing: Thermally bonded

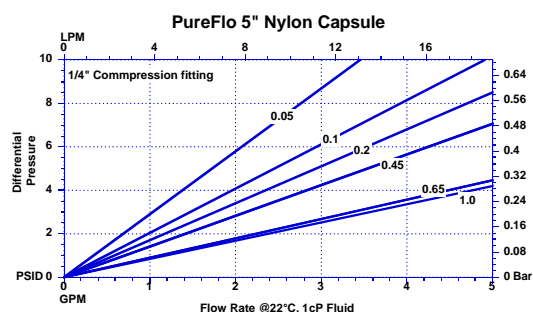
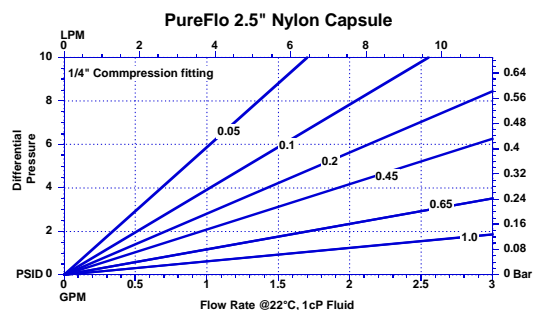
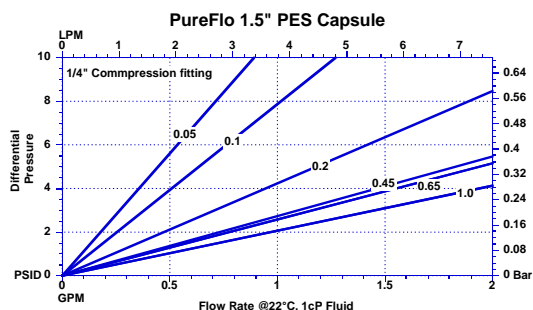
Fitting Connections: See ordering guide for the availability.
(Custom adaptors available upon request)

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)

Effective Filtration Area: 1.5 in - 0.74 ft² (690 cm²), 2.5 in - 1.4 ft² (1300 cm²),
5.0 in - 2.64 ft² (2450 cm²), 7.5 in - 4.0ft² (3720 cm²),
10 in - 5.3 ft² (4920 cm²)

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

Your Local Distributor:

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