

PureFlo Charged Nylon Capsules (SKV Series)

Charged Nylon Capsule

PureFlo® SKV Series Charged Nylon filter capsules are highly retentive, naturally hydrophilic nylon membrane filters that have been specially designed for liquid applications to reduce endotoxins. The charged 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 charged 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® charged 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.

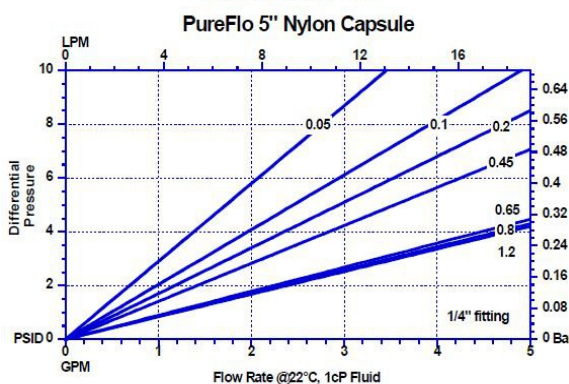
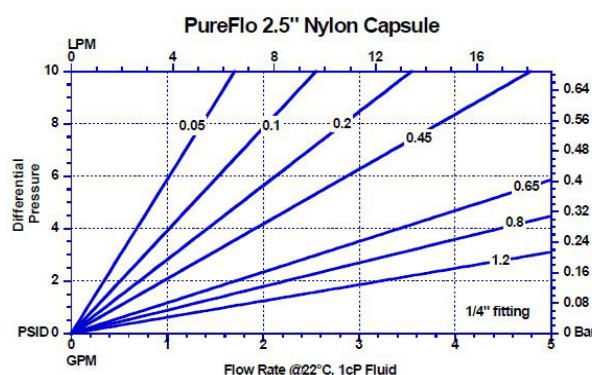
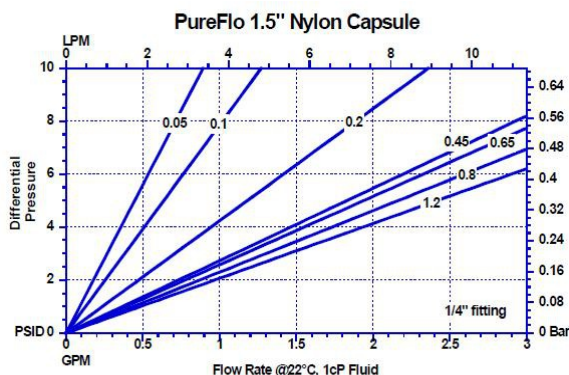


Applications	
Solvents Water	
Hard Particle	Beverages
Cell Removal	Pharmaceuticals
Endotoxin Reduction	Biologics

Specifications

Materials of Construction: Media Supports: None Cage, Sealing:	Media: Naturally Hydrophilic Charged Nylon Core, End Caps: Polypropylene 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), 5in. (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 ft ² (690 cm ²), 2.5 in - 1.4 ft ² (1300 cm ²), 5.0 in - 2.64 ft ² (2450 cm ²), 7.5 in - 4.0 ft ² (3720 cm ²), 10 in - 5.3 ft ² (4920 cm ²)
Operating Conditions:	Maximum Operating Pressure: Liquid: 5.5 bar (80 psi) at 22 °C Gas: 4.1 bar (59.5 psi) at 22 °C Maximum Forward Differential Pressure: 4.2 bar (61 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 Charged 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	CN = Charged Nylon	005 = 0.05	H = 1.5"	1H 1H = 1/8" Hose barbs	1QV = 1/8" Male Valved 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	2H 2H = 1/4" Hose barb	PreFilters	-G(pore Size) = Glass Fiber PreFilter -P(pore Size) = PolyPro Media PreFilter
		045 = 0.45	E = 7.5"	1QFV 1QFV = 1/8" Female Valved Quick Coupling with Metal latch	2HL = 1/4" to 1/2" Hose barbs	-E = Polyethylene shell and HDPE media support for gamma sterilization	
		065 = 0.65	K = 10"	1QV = 1/8" Male Valved Quick Coupling with Metal latch	2H-FB = 1/4" Hose Barb with filling bell -FC with Cap	-GP = Gamma stable polypropylene shell	-NY = Nylon Shell
		080 = 0.80		2H 2H = 1/4" Hose barb	2N 2N = 1/4" MNPT	Sterilization	-ETO = Ethylene oxide sterilization
		120 = 1.20		2P 2P = 1/4" Push to Connect	2PE 2PE = 1/4" Push to Connect Elbow	Vent & Drain	-N = No vent or drain fittings -NI = No vent or drain inlet fitting -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		Silicone O-Rings for Bleed Valve and Quick Coupling fittings
				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 = 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		

Example - PureFlo SKV Series Capsule, Charged Nylon, 2.5" internal filter, 0.2 micron, with 1.5" Tri-Clamp fittings I/O, would be SKVCN020STCTC

Note: Quick Couplings are molded on. Female Quick Coupling with Plastic latch will be threaded on. Compatible with CPC (Colder), LinkTech and others.



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