

# PureFlo All Nylon Filter Capsules

(SNV Series)

## All Nylon Capsule

PureFlo® SNV Series All 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-nylon 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 SNV capsules were designed with built-in bleed valves for simple and efficient evacuation of air and liquid from the upstream side. 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: Nylon Cage,

Core, End Caps: Nylon  
Sealing: Thermally bonded

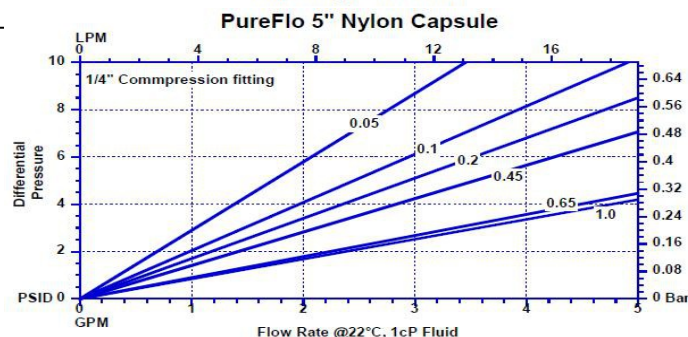
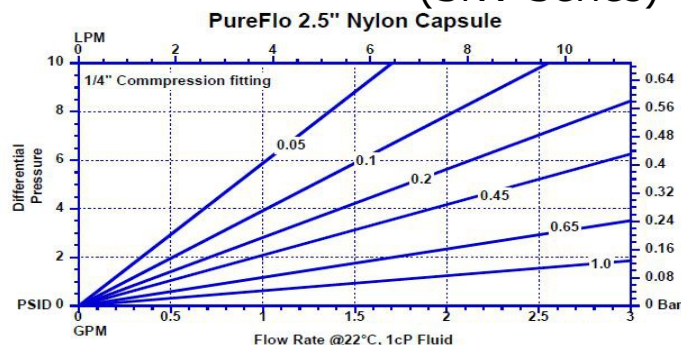
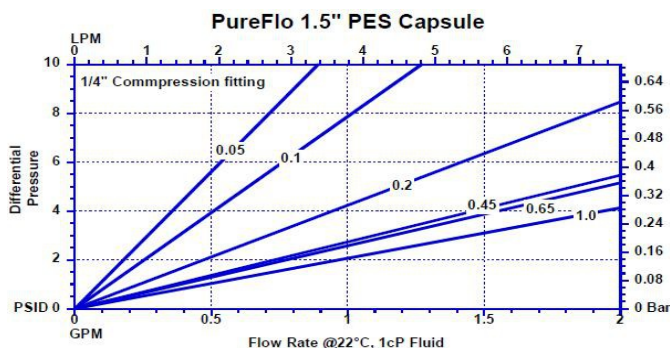
Fitting Connections: See ordering guide for the availability.  
(Custom adaptors available upon request)

Nominal Dimensions: Length: 1.5in. (68mm), 2.5in. (98mm), 5in. (153mm),  
7.5in. (251mm), and 10in. (281mm)  
Diameter: 2.88 in. (73mm)

Effective Filtration Area: 5.0 1.5 in - 0.74 ft<sup>2</sup> (690 cm<sup>2</sup>), 2.5 in - 1.4 ft<sup>2</sup> (1300 cm<sup>2</sup>),  
in - 2.64 ft<sup>2</sup> (2450 cm<sup>2</sup>), 7.5 in - 4.0ft<sup>2</sup> (3750 cm<sup>2</sup>),  
10 in - 5.3 ft<sup>2</sup> (4900 cm<sup>2</sup>)

Operating Conditions: Gas: Maximum Operating Pressure: Liquid: 5.5 bar (80psi) at 72°F/22°C  
4.1 bar (60psi) at 72°F/22°C  
Maximum Forward Differential Pressure: 4.2 bar (60psi) at 72°F/22°C  
Maximum Reverse Differential Pressure: 2.1 bar (30 psi) at 72°F/22°C  
Minimum Burst Pressure: 8.3 bar (120psi) at 72°F/22°C  
Maximum Operating Temperature: 203°F/95°C

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## Specifications (cont.)

### Autoclavable & Sanitizable:

Capsules can be autoclaved 5 times at 257°F/125°C for 30 minutes or chemically sanitized in situ using common sanitizing agents or hot water at 194°F/90°C 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 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic.

## PureFlo All Nylon Filter Capsule Ordering Guide

PureFlo Capsule Filters	Filter Media	Pore size (Micron)	Internal Filter Length	Input Fitting	Output Fitting	Options
SNV  Nylon Construction 70mm Diameter Capsule with Bleed Valve	N = Nylon	005 = 0.05	H = 1.5"	1H 1H	= 1/8" Hose barbs	<b>Shell Material</b>
		010 = 0.10	S = 2.5"	1Q	1Q = 1/8" Male Quick Coupling with Metal latch	Blank = Nylon construction
		020 = 0.20	L = 5"	1QF	1QF = 1/8" Female Quick Coupling with Metal latch	<b>Sterilization</b>
		045 = 0.45	E = 7.5"	1QFV 1QFV	= 1/8" Female Valved Quick Coupling with Metal latch	-ETO = Ethylene Oxide Sterilization
		065 = 0.65	K = 10"	1QV 1QV	= 1/8" Male Valved Quick Coupling with Metal latch	<b>Vent &amp; Drain</b>
		080 = 0.80		2H 2H	= 1/4" Hose barb	-N = No vent or Drain fittings
		120 = 1.20		2HL 2HL	= 1/4" to 1/2" Hose barbs	-NI = No vent or drain inlet fitting
				2H-FB	= 1/4" Hose Barb with filling bell or -FC with Cap	-NO = NO vent or drain Outlet fitting
				2N	= 1/4" MNPT	
				2P 2P	= 1/4" Push to Connect	
				2PE 2PE	= 1/4" Push to Connect Elbow	<b>O-Ring for Quick Coupling</b>
				2Q 2Q	= 1/4" Male Quick Coupling for Metal latch	-OE = O-ring EPDM
				2QF	2QF = 1/4" Female Quick Coupling with Metal latch	-ON = O-ring Nitrile
				2QFV 2QFV	= 1/4" Female Valved Quick Coupling with Metal latch	-OV = O-ring Viton
				2QP	2QP = 1/4" Male Quick Coupling for Plastic latch	Blank = O-ring Silicon (Standard)
				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	= 1/2" Hose Barb	
				4Q 4Q	= 1/2" Male Quick Coupling for Plastic latch	
				5H	= 5/8" Hose Barb	
				MT	= 1/2" Tri clamps	
				TC	= 1-1/2" Tri clamp	
				TS	= Shower Head	
Example - PureFlo SNV Series Capsule, Nylon, 2.5" internal filter, 0.2 micron, with 1.5" Tri-Clamp fittings I/O, would be SNVN020STCTC						
Quick Couplings are molded on. Female Quick Coupling with Plastic latch will be threaded on. Compatible with GPC (Golden), LinkTech and others.						



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