

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

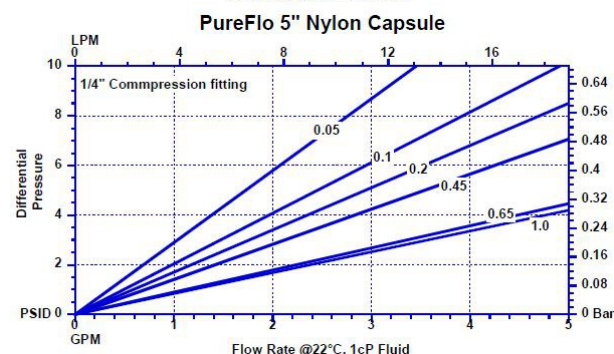
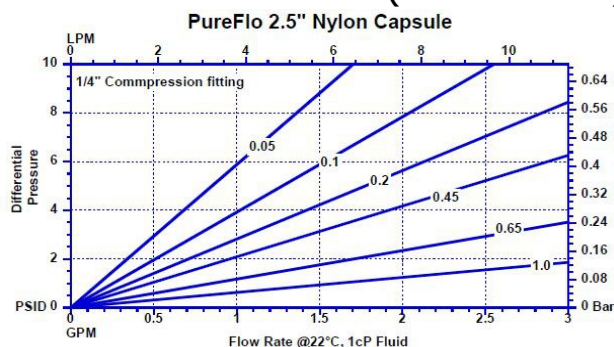
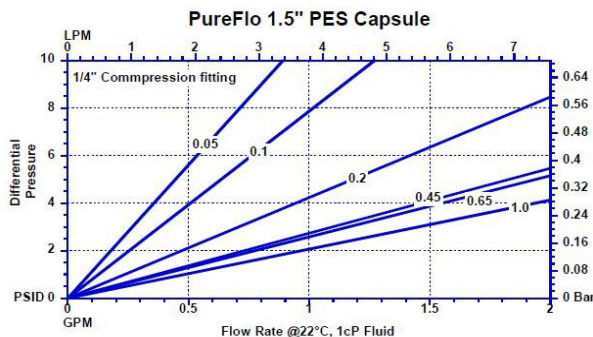
Fitting Connections: See ordering guide for the availability.
 (Custom adaptors available upon request)

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 ft² (690 cm²), 2.5 in - 1.4 ft² (1300 cm²),
 in - 2.64 ft² (2450 cm²), 7.5 in - 4.0ft² (3750 cm²),
 10 in - 5.3 ft² (4900 cm²)

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 bars	1Q = 1/8" Male Quick Coupling with Metal latch 1QF = 1/8" Female Quick Coupling with Metal latch 1QFV 1QFV = 1/8" Female Valved Quick Coupling with Metal latch 1QV 1QV = 1/8" Male Valved Quick Coupling with Metal latch 2H 2H = 1/4" Hose barb 2HL 2HL = 1/4" to 1/2" Hose bars 2H-FB = 1/4" Hose Barb with filling bell or -FC with Cap 2N = 1/4" MNPT 2P 2P = 1/4" Push to Connect 2PE 2PE = 1/4" Push to Connect Elbow 2Q 2Q = 1/4" Male Quick Coupling for Metal latch 2QF = 1/4" Female Quick Coupling with Metal latch 2QFV 2QFV = 1/4" Female Valved Quick Coupling with Metal latch 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 = 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	Shell Material Blank = Nylon construction Sterilization -ETO = Ethylene Oxide Sterilization Vent & Drain -N = No vent or Drain fittings -NI = No vent or drain inlet fitting -NO = NO vent or drain Outlet fitting	
		010 = 0.10	S = 2.5"	2N		O-Ring for Quick Coupling -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton Blank = O-ring Silicon (Standard)	
		020 = 0.20	L = 5"	2P			
		045 = 0.45	E = 7.5"	2PE			
		065 = 0.65	K = 10"	2Q			
		080 = 0.80		2QF			
		120 = 1.20		2QFV			
				2QP			
				2QV			
				2V			
				3H			
				3H-FB			
				4H			
				4Q			
				5H			
				MT			
				TC			
				TS			

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 (Corden), LinkTech and others.



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