

## PureFlo All Nylon Filter Capsules

(SNV Series)

### All Nylon Capsule

PureFlo® SKN 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 SKN 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, and 1.0 micron is required.



### Applications

Solvents	Water
Hard Particle	Beverages
Cell Removal	Pharmaceuticals
Chemicals	Biologics

### Specifications

Materials of Construction: Media: Naturally Hydrophilic Nylon  
 Media Supports: None  
 Cage, Core, End Caps: Nylon  
 Sealing: Thermally bonded

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

Nominal Dimensions: Lengths: 1.5", 2.5", 5", 7.5" and 10"  
 Diameter: 2.75 in. (70mm)

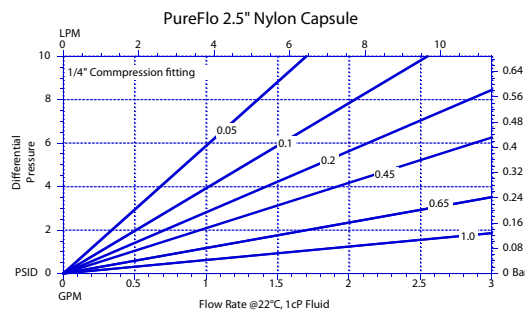
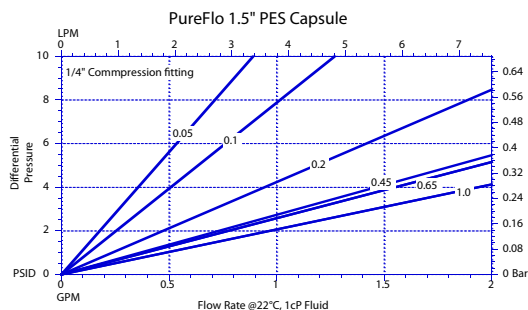
Effective Filtration Area: 1.5 in - 0.74 ft<sup>2</sup> (690 cm<sup>2</sup>), 2.5 in - 1.4 ft<sup>2</sup> (1300 cm<sup>2</sup>),  
 5.0 in - 2.64 ft<sup>2</sup> (2450 cm<sup>2</sup>), 7.5 in - 4.0ft<sup>2</sup> (3750 cm<sup>2</sup>),  
 10 in - 5.3 ft<sup>2</sup> (4900 cm<sup>2</sup>)

Operating Conditions: Maximum Operating Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C  
 Gas: 4.1 bar (60psi) at 77°F/25°C  
 Maximum Forward Differential Pressure: 4.2 bar (60psi) at 68°F/20°C  
 Maximum Reverse Differential Pressure: 2.1 bar (30 psi) at 68°F/20°C  
 Minimum Burst Pressure: 8.3 bar (120psi) at 77°F/25°C  
 Maximum Operating Temperature: : 176°F(80°C)



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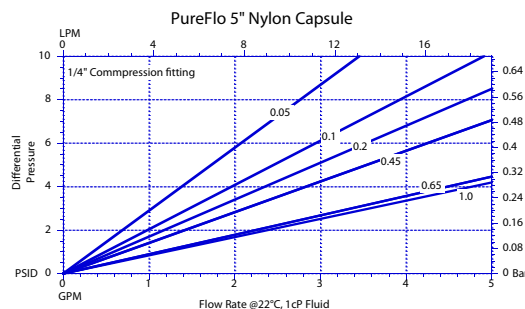
### Specifications (cont.)

#### Sanitization:

The filters can be sterilized by autoclaving for up to 25 cycles at 125°C (250°F) for 60 minutes. The filters can also be sanitized by hot water or common chemicals that are compatible with Nylon and polypropylene.

#### 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	Option
SNV	N = Nylon	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	H = 1.5" S = 2.5" L = 5" E = 7.5" K = 10"	1H = 1/8" Hose Barbs 1NF = 1/8" FNPT 1QF = 1/8" Female Quick Coupling with Metal Latch 2H = 1/4" Hose Barbs 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling for Metal Latch 2QF = 1/4" Female Quick Coupling w/ Metal Latch 2QFP = 1/4" Female Quick Coupling w/ Plastic Latch 2QP = 1/4" Male Quick Coupling for Plastic Latch 3H = 3/8" Hose Barb 3NF = 3/8" FNPT 4H = 1/2" Hose Barb 4N = 1/2" MNPT 4QP = 1/2" Male Quick Coupling for Plastic latch MT = 1/2" Tri-clamps TC = 1-1/2" Tri-clamp	1H = 1/8" Hose Barbs 1NF = 1/8" FNPT 1QF = 1/8" Female Quick Coupling with Metal Latch 2H = 1/4" Hose Barbs 2N = 1/4" MNPT 2NF = 1/4" FNPT 2Q = 1/4" Male Quick Coupling for Metal Latch 2QF = 1/4" Female Quick Coupling w/ Metal Latch 2QFP = 1/4" Female Quick Coupling w/ Plastic Latch 2QP = 1/4" Male Quick Coupling for Plastic Latch 3H = 3/8" Hose Barb 3NF = 3/8" FNPT 4H = 1/2" Hose Barb 4N = 1/2" MNPT 4QP = 1/2" Male Quick Coupling for Plastic latch MT = 1/2" Tri-clamps TC = 1-1/2" Tri-clamp	Blank = Nylon construction -FB = Filling Bell -FC = Filling Bell w/ Cap -ETO = Ethylene oxide sterilization -N = No vent or drain fittings -NI = No vent or drain inlet fitting -NO = No vent or drain Outlet fitting O-Ring for Quick Coupling -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton Blank = O-ring Silicon (Standard)
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 CPC (Colder), LinkTech and others.						

