

## 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.



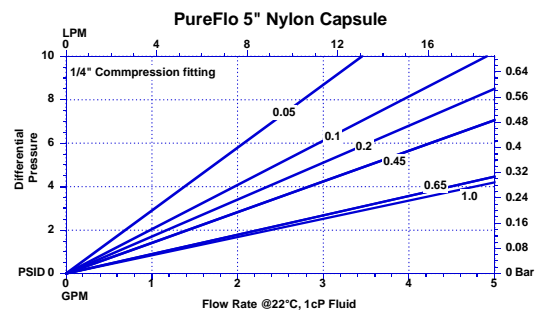
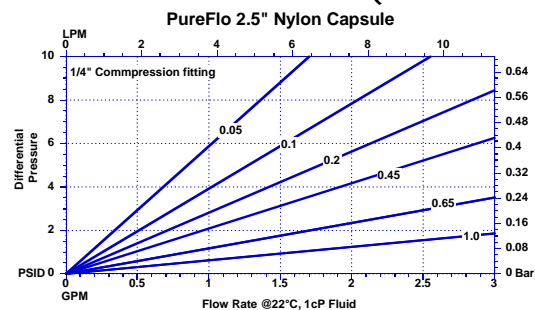
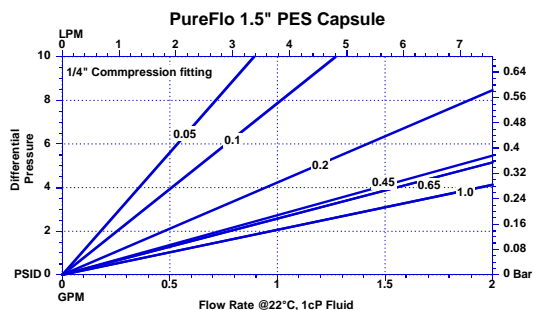
### Applications

|               |                 |
|---------------|-----------------|
| Solvents      | Water           |
| Hard Particle | Beverages       |
| Cell Removal  | Pharmaceuticals |
| Chemicals     | Biologics       |

### Specifications

|                            |  |
|----------------------------|--|
| Materials of Construction: | Media: Naturally Hydrophilic Nylon 6,6<br>Media Supports: Nylon<br>Cage, Core, End Caps: Nylon<br>Sealing: Thermally bonded  |
| Fitting Connections:       | See ordering guide for the availability.<br>(Custom adaptors available upon request)   |
| Nominal Dimensions:        | Length: 1.5in. (68mm), 2.5in. (98mm), 5in. (153mm),<br>7.5in. (251mm), and 10in. (281mm)<br>Diameter: 2.88 in. (73mm)  |
| 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> ),<br>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> ),<br>10 in - 5.3 ft <sup>2</sup> (4900 cm <sup>2</sup> )  |
| Operating Conditions:      | Maximum Operating Pressure: Liquid: 5.5 bar (80psi) at 72°F/22°C<br>Gas: 4.1 bar (60psi) at 72°F/22°C<br>Maximum Forward Differential Pressure: 4.2 bar (60psi) at 72°F/22°C<br>Maximum Reverse Differential Pressure: 2.1 bar (30 psi) at 72°F/22°C<br>Minimum Burst Pressure: 8.3 bar (120psi) at 72°F/22°C<br>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  |
|--|--------------|--------------------|---|---------------|---|--|
| <b>SNV</b><br><br>Nylon Construction<br>70mm Diameter Capsule with Bleed Valve | N = Nylon    | 005 = 0.05         | H = 1.5"<br>S = 2.5"<br>L = 5"<br>E = 7.5"<br>K = 10" | 1H            | 1H = 1/8" Hose barbs                                      | <b>Shell Material</b><br>Blank = Nylon construction<br><b>Sterilization</b><br>-ETO = Ethylene Oxide Sterilization<br><b>Vent &amp; Drain</b><br>-N = No vent or Drain fittings<br>-NI = No vent or drain inlet fitting<br>-NO = NO vent or drain Outlet fitting<br><b>O-Ring for Quick Coupling</b><br>-OE = O-ring EPDM<br>-ON = O-ring Nitrile<br>-OV = O-ring Viton<br>Blank = O-ring Silicon (Standard) |
|  |              | 010 = 0.10         |   | 1Q            | 1Q = 1/8" Male Quick Coupling with Metal latch            |  |
|  |              | 020 = 0.20         |   | 1QF           | 1QF = 1/8" Female Quick Coupling with Metal latch         |  |
|  |              | 045 = 0.45         |   | 1QFV          | 1QFV = 1/8" Female Valved Quick Coupling with Metal latch |  |
|  |              | 065 = 0.65         |   | 1QV           | 1QV = 1/8" Male Valved Quick Coupling with Metal latch    |  |
|  |              | 080 = 0.80         |   | 2H            | 2H = 1/4" Hose barb                                       |  |
|  |              | 120 = 1.20         |   | 2HL           | 2HL = 1/4" to 1/2" Hose barbs                             |  |
|  |              |                    |   | 2H-FB         | 2H-FB = 1/4" Hose Barb with filling bell or -FC with Cap  |  |
|  |              |                    |   | 2N            | 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           | 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 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.

Your Local Distributor:

**ZenPure**

North & South Americas:  
 ZenPure Americas, Inc  
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 703-335-9910

All Other Regions:  
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