



PureFlo All Nylon Filter Capsules

(SNL Series)

All Nylon Capsule

PureFlo® 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 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)

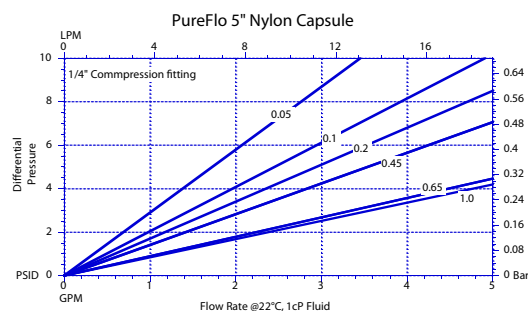
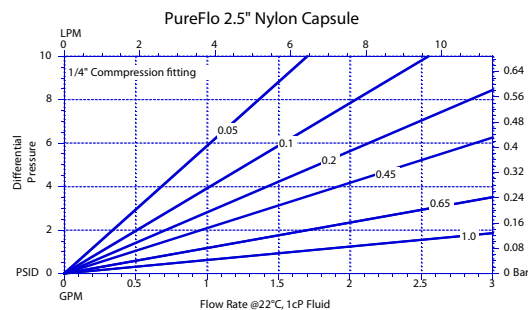
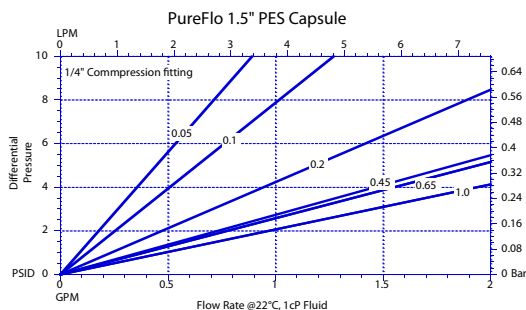
Nominal Dimensions: Lengths: 1.5", 2.5", 5", 7.5" and 10"
Diameter: 2.75 in. (70mm)

Effective Filtration Area: 1.5 in - 0.74 ft² (690 cm²), 2.5 in - 1.4 ft² (1300 cm²),
5.0 in - 2.64 ft² (2450 cm²), 7.5 in - 4.0ft² (3750 cm²),
10 in - 5.3 ft² (4900 cm²)

Operating Conditions: Maximum Operating Pressure: Liquid: 5.5 bar (80psi) at 77°F/25°C
Liquid: 3.0 bar (43.5psi) at 203°F/95°C
Gas: 4.1 bar (60psi) at 77°F/25°C
Maximum Forward Differential Pressure: 4.2 bar (60psi) at 68°F/20°C
1.5 bar (21.75psi) at 203°F/95°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: : 203°F(95°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 | Vent & Drain Fitting | Filter Media | Pore size (Micron) | Length | Input Fitting | Output Fitting | Options |
|--|---|--------------|--|---|--|--|--|
| SN Media on All Nylon Construction 70mm Diameter | L = Female Luer Lock P = M8 Threaded Plug - <u>Limited options</u> | 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 w/ Metal latch 2H = 1/4" to 1/2" Hose barbs 2HS = 1/4" to 3/8" Hose barbs 2LF = Large Female Luer Lock fitting 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 3HE = 3/8" Hose Barb Elbow 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 w/ Metal latch 2H = 1/4" to 1/2" Hose barbs 2HS = 1/4" to 3/8" Hose barbs 2LF = Large Female Luer Lock fitting 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 3HE = 3/8" Hose Barb Elbow 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 with 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 - 0.2um Nylon with Nylon Construction, Luer Lock V/D, 1.5" internal filter, 1/4" MNPT I/O is SNLN020H2N2N | | | | | | | |
| Quick Couplings are molded. Female Quick Coupling with Plastic latch will be threaded on, compatible with CPC (Colder), LinkTech and others. | | | | | | | |