PureFlo® D4 Filter Capsules

PureFlo® D4 Filter Capsules have been designed for simple, quick, and efficient filtration of fluids used in laboratory and analytical small-scale applications. Ten different media options can be placed in an all-polypropylene construction for excellent chemical compatibility. The small compact design of the filter capsule also reduces hold-up volume and exposure to hazardous liquids. No adhesives, binders, or surfactants are used in the manufacturing process. The filters are thermally sealed to insure integrity.

Materials of Construction

Membrane: Nylon, Nylon Screen Polyethylene, PES, Polypropylene Membrane, Polypropylene Media, and PTFE

Operating Conditions

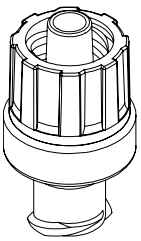
Max. Working Pressure:
PP/HDPE/PVC 80 PSID @ 77°F/25°C (5.5 bar)
Gamma PP 45 PSID @ 77°F/25°C (3.1 bar)

Minimum Burst pressure:
PP/HDPE: 120 PSID @ 77° F/25°C (8.3 bar)
Gamma PP: 60 PSID @ 77°F/25°C (4.1 bar)

Maximum forward differential pressure:
60 PSID (4.1 bar) at 68°F (20°C)

Maximum reverse differential pressure:
29 PSIG (2 bar) at 68°F (20°C)

Maximum Operating Temperature:
PP & Gamma PP: 176°F/80°C
HDPE: 140°F/60°C
PVC: 122°F/50°C



Fitting Connections

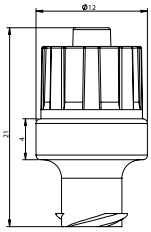
Male & Female Luer Lock

Effective Filtration Area

- 0.005in^2 (0.03 cm^2)

Regulatory Compliance

The discs are manufactured from materials that conform to the requirements of 21CFR Part 177 of the U.S. Code of Federal Regulations. Medias and Membranes are also in compliance with the USP Class VI Biological Test for Plastics. (Except Blk PP and PVC.)



PureFlo D4 Filter Capsules Ordering Guide

PureFlo D4 Filter Capsules	Filter Media	Pore Sizes (Micron)									Inlet Fitting	Outlet Fitting	Options
		Charged Nylon (CN)	Polyethylene (E)	PTFE (F)	Glass Fiber (G)	Polypro Membrane (M)	Nylon (N)	Nylon Screen (NS)	Polypro Media (P)	PES (S)			
D4 = 4mm Disc Filter	CN = Charged Nylon E = Polyethylene F = PTFE G = Glass Fiber M = PP Membrane N = Nylon NP = PP Nano Fiber NS = Nylon Screen P = PP Media S = PES TS = Polyester Screen	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	020 = 0.20 100 = 1.0 150 = 1.5 250 = 2.5	010 = 0.10 020 = 0.20 045 = 0.45 100 = 1.0 300 = 3.0 500 = 5.0 999 = 10	004 = 0.45 005 = 0.5 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10 200 = 20 300 = 30	010 = 0.1 020 = 0.2 Polyester Screen (TS) 200 = 20 400 = 40 600 = 60 730 = 73	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	100 = 10 200 = 20 400 = 40 600 = 60 10X = 100 20X = 200 Polypro Nano Fiber (NP) 005 = 0.5	003 = 0.3 006 = 0.6 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10 200 = 20 300 = 30 400 = 40 500 = 50 700 = 70 15X = 150	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	LF = Luer Lock Female LM = Luer Lock Male LM = Luer Lock Male LF = Luer Lock Female Other options are possible please inquire	LM = Luer Lock Male LF = Luer Lock Female	-1 = Single Bagged -E = Polyethylene Shell (for Gamma Stability) -GP = Gamma stable Polypropylene Shell -NY = Nylon Shell -V = PVC Shell -ETO = Ethylene Oxide Sterilization

Example – 1.0 Micron Nylon Filter Media with Luer Lock by Male Luer Lock fittings would be D4N100LFLM

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