PureFlo® D13R Filter Capsules

PureFlo® D13R Filter Capsules have been designed for simple, quick, and efficient filtration of fluids used in laboratory and analytical small-scale applications. Eight 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 using an overmold process to insure integrity and higher pressures.

Materials of Construction

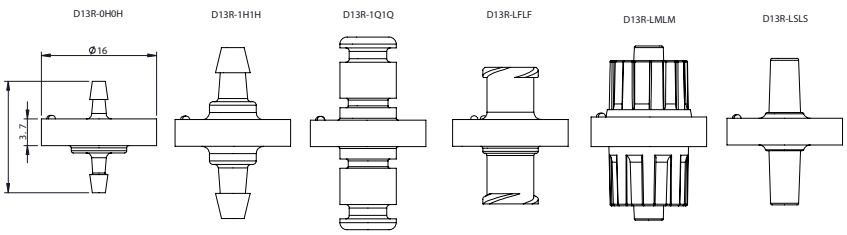
Membrane: Nylon, Nylon Screen Polyethylene, PES, Polypropylene Membrane, Polypropylene Media, and Hydrophilic PTFE

Fitting Connections

Male & Female Luer Lock, Luer Slip, 1/16" & 1/8" Hose barb

Effective Filtration Area

- 0.124in^2 (0.8 cm^2)



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

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 D13R Filter Capsules Ordering Guide

PureFlo D13R 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)			
D13R = 13mm	CN = Charged Nylon E = Polyethylene F = PTFE G = Glass Fiber M = PP Membrane N = Nylon 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	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	0H = 1/16" Hose Barb 1H = 1/8" Hose Barb 1Q = 1/8" Male Quick Coupling LF = Luer Lock Female LM = Luer Lock LS = Luer Lock Male Slip	0H = 1/16" Hose Barb 1H = 1/8" Hose Barb 1Q = 1/8" Male Quick Coupling LF = Luer Lock Female LM = Luer Lock LS = Luer Lock Male Slip	-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 luer Slip fittings would be D13RN100LFLS

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