

PureFlo® D25C Filter Capsules

PureFlo® D25C Filter Capsules (25mm diameter) have been designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small scale applications. Eight different media options can be placed in an all-polypropylene construction for excellent chemical compatibility with 10 different fittings. The small compact design of the filter capsule also reduces hold-up volume and exposure to hazardous chemicals. No adhesives, binders, or surfactants are used in the manufacturing process. The unit is thermally-sealed to ensure integrity.

Materials of Construction

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

Membrane Supports: Polypropylene

Capsule Body: Polypropylene

Fitting Connections

Luer Lock, Luer Slip, Hose Barb, Compression, NPT, Quick Coupling

Effective Filtration Area - 0.7in² (4.6 cm²)

Autoclave Cycles - 10 times @ 257°F/125°C for 30 minutes

Capsules must not be in situ steam-sterilized



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:

30 PSID (2.1 bar) at 68°F (20° C)

Maximum Operating Temperature:

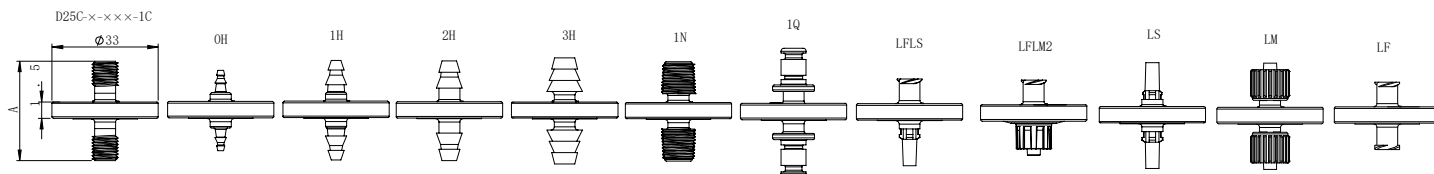
PP & Gamma PP: 176°F/80°C

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 D25C Filter Capsules Ordering Guide

PureFlo D25C Capsule Filters	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)	Stainless Steel Screen (SS)				Polyester Screen (TS)
D25C = 25mm Capsule filter	CN= Charged Nylon	005= 0.05	020 = 0.20	010 = 0.10	005 = 0.5	010 = 0.1	005 = 0.05	100 = 10	003 = 0.3	005 = 0.05	018 = 18	200 = 20	0H = 1/16-3/32" Hose Barb	0H = 1/16-3/32" Hose Barb	Blank = Polypropylene -1 = Single Bagged -E = Polyethylene Shell (for Gamma Stability) -BLK = Black PP shell -GP = Gamma stable Polypropylene Shell -NY = Nylon Shell -V = PVC Shell -ETO = Ethylene Oxide Sterilization O-Ring for Quick Connect Blank = O-ring Silicon (Standard) -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton
	Nylon	010 = 0.10	100 = 1.0	020 = 0.20	010 = 1.0	020 = 0.2	010 = 0.10	200 = 20	006 = 0.6	010 = 0.10	020 = 20	400 = 40	1C = 1/8" Compression	1C = 1/8" Compression	
	E = Polyethylene	020 = 0.20	150 = 1.5	045 = 0.45	030 = 3.0	040 = 40	020 = 0.20	400 = 40	010 = 1.0	020 = 0.20	045 = 0.45	600 = 60	1H = 1/8-3/16" Hose Barb	1H = 1/8-3/16" Hose Barb	
	F = PTFE	045 = 0.45	250 = 2.5	100 = 1.0	050 = 5.0	045 = 0.45	045 = 0.45	600 = 60	030 = 3.0	045 = 0.45	065 = 0.65	730 = 73	1N = 1/8" NPTM	1N = 1/8" NPTM	
	G = Glass Fiber	065 = 0.65		300 = 3.0	100 = 10	065 = 0.65	065 = 0.65	10X = 100	050 = 5.0	065 = 0.65	080 = 0.80		1Q = 1/8" Male Quick Coupling	1Q = 1/8" Male Quick Coupling	
	M = PP Membrane	080 = 0.80		500 = 5.0	200 = 20	080 = 0.80	080 = 0.80	20X = 200	100 = 10	080 = 0.80			2H = 3/16-1/4" Hose Barb	2H = 3/16-1/4" Hose Barb	
	N = Nylon	120 = 1.20		999 = 10	300 = 30	120 = 1.20	120 = 1.20		200 = 20	120 = 1.20			2UF = 1/4-28 thread Female	2UF = 1/4-28 thread Female	
	NS = Nylon Screen								300 = 30				3H = 1/4-3/8" Hose Barb	3H = 1/4-3/8" Hose Barb	
	P = PP Media								400 = 40				LF = Luer Lock Female	LF = Luer Lock Female	
	S = PES								500 = 50				LM = Luer Lock Male	LM = Luer Lock Male	
	SS = Stainless Steel Screen								700 = 70				LS = Luer Lock Male Slip	LS = Luer Lock Male Slip	
	TS = Polyester Screen								10X = 100						
									15X = 150						

Example = 1/0 Micron Nylon Filter Media with 1/4-3/8" hose barb fitting inlet and outlet would be **D25CN100H3H**

Example - 1.0 Micron Nylon Filter Media with 1/4-3/8" hose barb fitting inlet and outlet would be D25CN1003H3H