



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

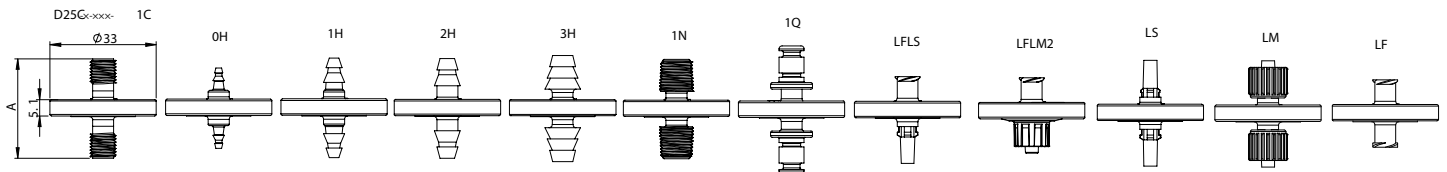


Operating Conditions

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. Media 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	006 = 0.6	010 = 0.10	020 = 20	200 = 20	400 = 40	0H = 1/16-3/32" Hose Barb	0H = 1/16-3/32" Hose Barb	Blank = Polypropylene -I = 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
	E = Polyethylene	010 = 0.10	100 = 1.0	020 = 0.20	010 = 1.0	020 = 0.2	010 = 1.0	200 = 20	010 = 1.0	020 = 0.20	400 = 40	600 = 60	1C = 1/8" Compression	1C = 1/8" Compression		
	F = PTFE	045 = 0.45	250 = 2.5	045 = 0.45	030 = 3.0	045 = 0.45	030 = 3.0	400 = 40	010 = 1.0	020 = 0.20	600 = 60	730 = 73	1H = 1/8-3/16" Hose Barb	1H = 1/8-3/16" Hose Barb		
	G = Glass Fiber	065 = 0.65	300 = 3.0	100 = 1.0	050 = 5.0	045 = 0.45	600 = 60	030 = 3.0	045 = 0.45	065 = 0.65	050 = 5.0	100 = 10	080 = 0.80	1N = 1/8" NPTM	1N = 1/8" NPTM	
	M = PP Membrane	080 = 0.80	200 = 20	300 = 3.0	100 = 10	065 = 0.65	10X = 100	050 = 5.0	065 = 0.65	080 = 0.80	200 = 20	300 = 30	400 = 40	1Q = 1/8" Male Quick Coupling	1Q = 1/8" Male Quick Coupling	
	N = Nylon	120 = 1.20	999 = 10	500 = 5.0	200 = 20	080 = 0.80	20X = 200	100 = 10	080 = 0.80	120 = 1.20	300 = 30	400 = 40	500 = 50	2H = 3/16-1/4" Hose Barb	2H = 3/16-1/4" Hose Barb	
	NS = Nylon Screen													2UF = 1/4-28 thread Female	2UF = 1/4-28 thread Female	
	P = PP Media													3H = 1/4-3/8" Hose Barb	3H = 1/4-3/8" Hose Barb	
	S = PES													LF = Luer Lock Female	LF = Luer Lock Female	
	SS = Stainless Steel Screen													LM = Luer Lock Male	LM = Luer Lock Male	
TS = Polyester Screen													LS = Luer Lock Male Slip	LS = Luer Lock Male Slip		

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

