



## 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 - 0.7in<sup>2</sup> (4.6 cm<sup>2</sup>)

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:

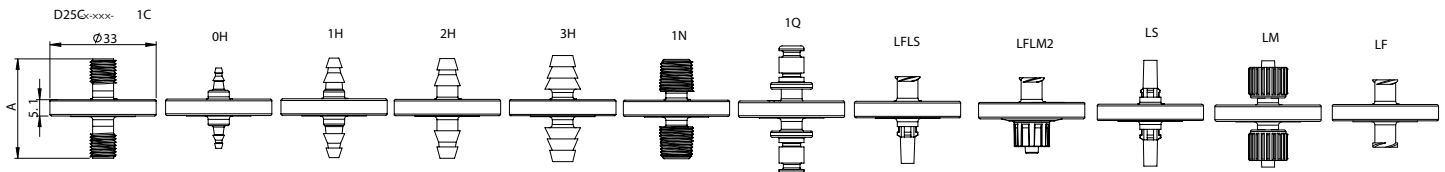
PP & Gamma PP: 176°F/80°C

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)										Stainless Steel Screen (SS)	Polyester Screen (TS)	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)						
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 1C = 1/8" Compression 1H = 1/8-3/16" Hose Barb 1N = 1/8" NPTM 1Q = 1/8" Male Quick Coupling 2H = 3/16-1/4" Hose Barb 2UF = 1/4-28 thread Female 3H = 1/4-3/8" Hose Barb LF = Luer Lock Female LM = Luer Lock Male LS = Luer Lock Male Slip	0H = 1/16-3/32" Hose Barb 1C = 1/8" Compression 1H = 1/8-3/16" Hose Barb 1N = 1/8" NPTM 1Q = 1/8" Male Quick Coupling 2H = 3/16-1/4" Hose Barb 2UF = 1/4-28 thread Female 3H = 1/4-3/8" Hose Barb LF = Luer Lock Female LM = Luer Lock Male LS = Luer Lock Male Slip	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 <u>O-Ring for Quick Connect</u> 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 = 0.10	200 = 20	006 = 0.6	010 = 0.10	020 = 20	400 = 40				
	F = PTFE	045 = 0.45	250 = 2.5	045 = 0.45	030 = 3.0	020 = 0.20	045 = 0.45	400 = 40	030 = 3.0	045 = 0.45	080 = 0.80	600 = 60				
	G = Glass Fiber	065 = 0.65		100 = 1.0	050 = 5.0	045 = 0.45	065 = 0.65	10X = 100	050 = 5.0	065 = 0.65	120 = 1.20	730 = 73				
	M = PP Membrane	080 = 0.80		300 = 3.0	200 = 20	080 = 0.80	20X = 200	100 = 10	100 = 10	080 = 0.80						
	N = Nylon	120 = 1.20		500 = 5.0	200 = 20	080 = 0.80		200 = 20	200 = 20	120 = 1.20						
	NS = Nylon Screen			999 = 10	300 = 30	120 = 1.20		300 = 30	300 = 30							
	P = PP Media							400 = 40	400 = 40							
	S = PES							500 = 50	500 = 50							
	SS = Stainless Steel Screen							700 = 70	700 = 70							
	TS = Polyester Screen							10X = 100	10X = 100							
Example – 1.0 Micron Nylon Filter Media with 1/4-3/8" hose barb fitting inlet and outlet would be D25CN1003H3H																

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

