

PureFlo® D40C Filter Capsule

40mm Disc Capsule filter

PureFlo® D40C Filter Capsules have been specially designed for simple, quick, and efficient filtration of fluids and gases used in laboratory, pilot, and small-scale applications. Eleven different media options can be placed in an all-polypropylene construction for excellent chemical compatibility. The small compact design of the filter capsule 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.



Effective Filtration Area - 10.5 cm²

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.)

Specifications

Materials of Construction

Membrane: PE, PTFE, GF, PP, Nylon, PES, SS
 Membrane Supports: Polypropylene
 Capsule Body: Polypropylene
 Fitting Connections: See Ordering Guide

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:

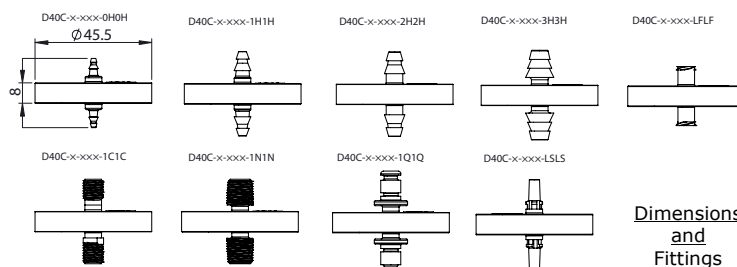
30 PSID (2.1 bar) at 68°F (20°C)

Maximum Operating Temperature:

PP & Gamma PP: 176°F/80°C

HDPE: 140°F/60°C

PVC: 122°F/50°C



**Dimensions
and
Fittings**

PureFlo D40C Filter Capsules Ordering Guide

PureFlo D40C 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)	Stainless Steel Screen (SS)			
D40C = 40mm Capsule filter	CN = Charged Nylon	005 = 0.05 010 = 0.10 020 = 0.20	020 = 0.20 100 = 1.0 150 = 1.5	010 = 0.10 020 = 0.20 045 = 0.45	005 = 0.5 010 = 1.0 030 = 3.0	010 = 0.1 020 = 0.2	005 = 0.05 010 = 0.10 020 = 0.20	100 = 10 200 = 20 400 = 40	003 = 0.3 006 = 0.6 010 = 0.10	005 = 0.05 020 = 0.20	018 = 18	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	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	Blank = Polypropylene -I = Single Bagged -E = Polyethylene Shell (for Gamma Stability) -BLK = Black PP shell -GP = Gamma stable Polypropylene Shell -NY = Nylon Shell -ETO = Ethylene Oxide Sterilization O-Ring for Quick Coupling Blank = O-ring Silicon (Standard) -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton
	E = Polyethylene F = PTFE	045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	250 = 2.5	300 = 3.0 500 = 5.0 999 = 10	100 = 1.0 050 = 5.0 200 = 20 300 = 30		045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	600 = 60 100 = 100 200 = 200	045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	065 = 0.65 120 = 1.20		2H = 3/16-1/4" Hose Barb 3H = 1/4-3/8" Hose Barb LF = Luer Lock Female LM = Luer Lock Male LS = Luer Lock Male Slip	2H = 3/16-1/4" Hose Barb 3H = 1/4-3/8" Hose Barb LF = Luer Lock Female LM = Luer Lock Male LS = Luer Lock Male Slip	
	G = Glass Fiber													
	M = PP Membrane													
	N = Nylon													
	NS = Nylon Screen													
	P = PP Media													
	S = PES													
	SS = Stainless Steel Screen													
	TS = Polyester Screen													

Example - 1.0 Micron Nylon Filter Media and Female Luer Lock fittings I/O would be D40CN100FLF