

PureFlo® D50C Filter Discs

PureFlo® D50C Filter Discs have been designed for simple, quick, and efficient filtration of fluids used in laboratory, pilot, and low flow rate applications. 10 different media options can be placed in an all-polypropylene construction for excellent chemical compatibility. There are 12 different fitting options that can be mixed and matched for the inlet and outlet fittings. The small compact design of the filter disc reduces hold-up volume. No adhesives or binders are used in the encapsulation process. The unit is thermally-sealed to ensure integrity.



SPECIFICATIONS

MATERIALS OF CONSTRUCTION:	Outer Disc:	Polypropylene
	Filter Media:	Wide selection, see page 2
	Media Supports:	Depends on Filter Media
	O-Rings on quick fittings:	Silicone, EPDM, NBR
FITTING CONNECTIONS:	See ordering guide for the availability.	
EFFECTIVE FILTRATION AREA:	15.9 cm²	

Maximum operating conditions for liquids at 22°C

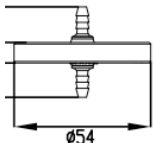
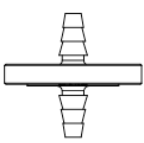

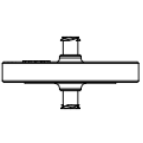
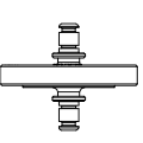
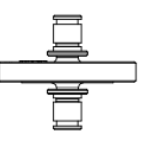

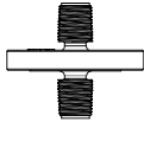

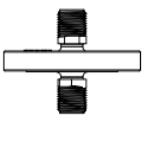
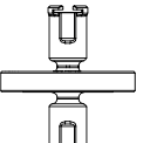
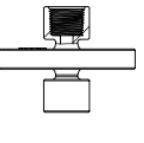
Operating Pressure:	5.5 bar
Forward Differential Pressure:	2.1 bar
Reverse Differential Pressure:	1.1 bar
Operating Temperature:	80 °C

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Filter Media Guide

PES Membrane (S)	PTFE hydrophobic Membrane (F)	Glass Fiber (G)	Hi Performance PP Media (HP)	PP Media (P)	Nylon Membrane (N)
020 = 0.2 µm 045 = 0.45 µm 065 = 0.65 µm 080 = 0.8 µm 120 = 1.2 µm	010 = 0.1 µm 020 = 0.2 µm 045 = 0.45 µm 100 = 1.0 µm 300 = 3.0 µm 500 = 5.0 µm 999 = 10 µm	H = HEPA 002 = 0.2 µm 004 = 0.45 µm 005 = 0.5 µm 010 = 1.0 µm 030 = 3.0 µm 050 = 5.0 µm 100 = 10 µm 200 = 20 µm	003 = 0.3 µm 006 = 0.6 µm 010 = 1.0 µm 030 = 3.0 µm 050 = 5.0 µm 100 = 10.0 µm	006 = 0.6 µm 010 = 1.0 µm 030 = 3.0 µm 050 = 5.0 µm 070 = 7.0 µm 100 = 10.0 µm 200 = 20.0 µm 300 = 30.0 µm 400 = 40.0 µm 500 = 50.0 µm 700 = 70.0 µm	020 = 0.2 µm 045 = 0.45 µm 065 = 0.65 µm 080 = 0.8 µm 120 = 1.2 µm
Nylon Melt-Blown (NN)	Nylon Mesh (NS)	Stainless Steel Mesh (SS)	Polypropylen Mesh (PS)		
010 = 1 µm 030 = 3 µm 050 = 5 µm 100 = 10 µm 200 = 20 µm	070 = 7 µm 100 = 10 µm 200 = 20 µm 400 = 40 µm 600 = 60 µm 10X = 100 µm 20X = 200 µm	060 = 6 µm 180 = 18 µm 200 = 20 µm 250 = 25 µm 370 = 37 µm 460 = 46 µm 530 = 53 µm 610 = 61 µm	10X = 100 µm 15X = 150 µm 20X = 200 µm 30X = 300 µm 50X = 500 µm		

Fitting Guide

1H 1/8" Hose barb 	2H 1/4"-3/8" Hose barb 	LM Luer lock male 	LF Luer lock female 	1Q 1/8" Male quick coupling (PMC/20-S) 	2Q 1/4" Male quick coupling (PLC/40-S) 
1N 1/8" NPTM 	2N 1/4" NPTM 	1NF 1/8" NPTF 	2C 1/4" Compression (JACO compatible) 	1QF 1/8" Female quick coupling (PMC/20-S) 	2NF 1/4" NPTF 

Ordering Guide

	FILTER MEDIA	PORE SIZES	INLET FITTING	OUTLET FITTING	OPTIONS
D50C	S = PES membrane F = PTFE membrane G = Glass Fiber HP = Hi Performance PP Media P = PP Melt-blown N = Nylon membrane NN = Nylon Melt-blown NS = Nylon Mesh PS = PP Mesh SS = Stainless Steel Mesh	*See Table Filter Media Guide for pore sizes	1H 2H LM LF 1Q 2Q 1N 2N 1NF 2C 1QF 2NF	1H 2H LM LF 1Q 2Q 1N 2N 1NF 2C 1QF 2NF	(2) Construction Material Blank = Polypropylene -BLK = Black polypropylene shell (3) O-Ring Blank = O-ring silicone (standard) -OE = O-ring EPDM -ON = O-ring Nitrile -OV = O-ring Viton
Example – D50C Filter disc with PTFE membrane 0.2 µm, 1/8" NPTF fittings would be D50C-F020-1NF1NF					

Please contact us for further details, specifications or samples.

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Data can change without prior notice. September 2021.

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