

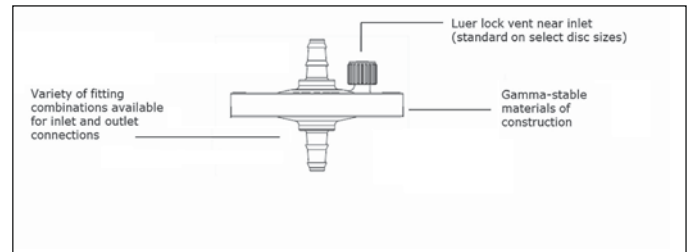
# PureFlo® PTFE Disc Capsule Filters

PureFlo® PTFE Disc Capsule Filters are designed for sterile vent and compressed air applications in the pharmaceutical industry. The PTFE membrane offers high flow rates in applications requiring steam sterilization. The high flow rate and compact design allows for efficient integration into a variety of pharmaceutical processes, minimizing the space and weight of the vent filter in the system.

### Typical Uses

Venting  
Bioreactor Inlet Gas  
Compressed Air

Chemical compatibility information available upon request.



<b>Materials of Construction</b>	Media:	Hydrophobic PTFE
	Media Supports:	Polypropylene (when present)
	Shell and Over Mold:	Polypropylene
	O-Rings:	Silicone (when present)
<b>Fitting Connections</b>	See ordering guide for availability. (Custom adaptors available upon request)	
<b>Nominal Dimensions</b>	See ordering guide for details	
<b>Effective Filtration Area</b>	See ordering guide for details.	
<b>Operating Conditions</b>	Maximum Operating Pressure	Liquid: 5.5 bar (80 psi) at 22°C (72°F); Gas: 4.1 bar (60 psi) at 22°C (72°F)
	Maximum Forward Differential Pressure	4.1 bar (60 psid) at 22°C (72°F)
	Maximum Reverse Differential Pressure	2.1 bar (30 psid) at 22°C (72°F)
	Maximum Operating Temperature	176°F/80°C
<b>Integrity Testing*</b>	0.2 µm	60% isopropanol/40% water bubble point of ≥1.2 bar (17.4 psi) using air at 22 °C.
<b>USP Class VI</b>	All components or raw materials used in this product conform to the requirements of USP Class VI Biological Reactivity Tests for Plastics.	
<b>Bacterial Endotoxins</b>	An aqueous extraction of this product contains <0.25 EU/ml as determined by the Limulus Amebocyte Lysate (LAL) Test.	
<b>Bacterial Retention</b>	This product is quantitatively retentive towards <i>Brevundimonas diminuta</i> (ATCC #19146) at a minimum challenge level of 10 <sup>7</sup> CFU per cm <sup>2</sup> of filtration area, consistent with ASTM F838-05.	
<b>Sterilization</b>	This product can be autoclaved up to 10 cycles at 125 °C (257 °F) for 30 minutes.	

\*All filters are 100% integrity tested.

# PureFlo® PTFE Disc Capsule Filters

## PureFlo PTFE Disc Capsule Filters Ordering Guide

Filter Sizes	Filter Types	Description	Outer Shell Diameter*	Effective Filtration Area (EFA)
	D13C	13 mm disc	16 mm	0.8 cm <sup>2</sup>
	D25C	25 mm disc	33 mm	4.6 cm <sup>2</sup>
	D40C	40 mm disc	45.5 mm	10.5 cm <sup>2</sup>
	D50C/G50C	50 mm disc	54 mm	15.9 cm <sup>2</sup>
	D65R	65 mm disc	72 mm	26 cm <sup>2</sup>
	D90R	90 mm disc	99 mm	60 cm <sup>2</sup>

\*Listed dimensions are nominal. Engineering drawings with tolerances are available upon request.

PureFlo Capsule Filters	Filter Media Grade	Inlet Fitting	Outlet Fitting	Fitting availability by filter type		
				D13	D25	D40
D13C = 13 mm Disc filter	F020 = 0.2 µm PTFE Membrane	OH	OH = 1/16" hose barb	•		
		OH	OH = 1/16-3/32" hose barb		•	•
AH		AH = 3/32" hose barb	•	•	•	
1H		1H = 1/8" hose barb	•			
D25C = 25 mm Disc filter		1H	1H = 1/8-3/16" hose barb		•	•
		1Q	1Q = 1/8" male quick coupling	•	•	•
D40C = 40 mm Disc filter		2H	2H = 3/16-1/4" hose barb (stepped)		•	•
		3H	3H = 1/4-3/8" hose barb (stepped)		•	•
		LF	LF = female Luer lock	•	•	•
		LM	LM = male Luer lock	•	•	•
D13C	F020	O20	1H	1H		

**Example - D13CF0201H1H** (13 mm disc filter, 0.2 µm PTFE membrane, 1/8" hose barb (single) inlet/outlet.)

Custom adapters are available upon request.

# PureFlo® PTFE Disc Capsule Filters

## PureFlo PTFE Disc Capsule Filters Ordering Guide

PureFlo Disc Capsule Filters	Filter Media Grade	Inlet Fitting	Outlet Fitting	Fitting availability by filter type			
				D50	G50	D65	D90
D50C/G50C = 50 mm Disc filter  D65R = 65 mm Disc filter  D90R = 90 mm Disc filter	F020 = 0.2 µm PTFE Membrane	1H	1H = 1/8" hose barb (multi)	•	•	•	•
		1Q	1Q = 1/8" male quick coupling	•	•	•	•
		1QF	1QF = 1/8" female quick coupling	•	•	•	
		2H	2H = 1/4" - 3/8" hose barb (stepped)	•	•		
		2H	2H = 1/4" - 5/16" hose barb (stepped)			•	
		2H	2H = 1/4" hose barb (multi)				•
		2Q	2Q = 1/4" male quick coupling for metal latch	•	•	•	•
		2QF	2QF = 1/4" female quick coupling with metal latch			•	
		3H	3H = 5/16" - 3/8" hose barb (stepped)			•	
		3H	3H = 3/8" hose barb (stepped)			•	•
		4H	4H = 1/2" hose barb (stepped)				•
		4Q	4Q = 1/2" male quick coupling				•
		5H	5H = 5/8" hose barb (multi)				•
		LF	LF = female Luer lock	•	•		•
		LM	LM = male Luer lock	•		•	•
		LS	LS = male Luer slip	•			•
		MT	MT = 1/2" tri-clamp			•	•
TC	TC = 1.5" tri-clamp				•		
D50C	F020	1H	1H				
<b>Example - D50CF0201H1H:</b> (50 mm disc capsule filter, 0.2 µm PTFE membrane, 1/8" hose barb (single) inlet/outlet.)							

Custom adapters are available upon request



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