

## PureFlo® Filter Cup (Table Top Filtration)

### Vacuum Filter Cups

PureFlo® Filter Cups are a convenient, disposable unit for easy and high performance filtration of liquid solutions. Cups have a 175-mL capacity. Choose from 13 filter medias. Membranes are 63mm in diameter with a 31-cm<sup>2</sup> filter area.

The filter cup is made of molded polypropylene with an integral thermally-bonded filter. Ideal for sterilizing tissue culture media, buffers, weak and dilute acids, and bases, and alcohols, or other solvent solutions. Consult chemical resistance charts before use.

The tapered cup and compact profile can be stacked for multiple and simultaneous filtration steps. The filter cups come stacked for easy and compact storage. For added protection against contamination, the cup has a bottom lip to prevent the bottom support grid from accidentally touching working surfaces.

Order a filter funnel base to use the cup with vacuum pressure to speed the filtration process along. Bases easily attach to standard laboratory flasks with stopper sizes 5 through 8 available to fit standard size flask openings. The vacuum should be supplied gradually to 16" Hg (7.8 PSI).

Glass Flask not included



### Applications

Pharmaceutical Products Analysis	Combinatorial Chemistry
Sample and Small Batch Clarification and Filtration	Sample and Small Batch Preparation and Clean-Up
Purification and Concentration	Filtration of Aqueous and Organic Solutions
Environmental Monitoring and Analysis	Sterile Filtration
Laboratory	Food and Beverage

### Specifications

Materials of Construction:	Cup Material: PP (standard), Polyethylene, Gamma Stabilized PP, and Nylon Membrane: 12 options (See ordering guide)
Fitting Connections:	Vacuum Inlet: 3/8" Hose Barb Vacuum Inlet or none Stopper Sizes : 5,6,7,8
Nominal Dimensions:	Diameter: 79mm Capacity: 175-mL
Effective Filtration Area:	63mm in diameter, 31cm <sup>2</sup> filter area
Available Ratings:	0.05- 150um (See ordering guide)
Operating Conditions: (No Reverse direction)	Maximum Operational pressure: 16" Hg (7.8 PSI) Maximum Operating Temperature: PP & Gamma PP 80°C/176°F, HDPE 60°C/140°F
Autoclavable & Sanitizable:	Cups can be autoclaved 1 time at 123°C for 60 minutes or chemically sanitized by soaking common sanitizing agents or hot water at 80°C (no reverse pressure should be applied).
Regulatory Compliance:	The cups are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastics.



## PureFlo® Filter Cup

### PureFlo Filter Cup Ordering Guide

PureFlo Filter Cup	Filter Media	Pore Sizes (Micron)	Cup Size	Cup Material	Options
FC= Filter Cup	CN= Charged Nylon E = Polyethylene F = PTFE G =Glass Fiber HF = Hydrophilic PTFE M = PP Membrane N = Nylon NP = PP Nano Fiber NS = Nylon Screen P = PP Media S = PES SS = Stainless Steel Screen TS = Polyester Screen		A = 175ml	P = Polypropylene (standard) E = Polyethylene GP = Gamma stabilized PP N = Nylon	Blank = 25ea/Box  -12 = Individually bagged (12 /box)  -6-ETO = Individually bagged Ethylene oxide sterilization (6 /box)
		Pick From Pore Size Table			
Example – 25 Filter Cups with 1.0 Micron PTFE Filter Membrane, 175ml size Cup, PP material would be FCF100AP					

Pore Sizes (Micron)												
Charged Nylon (CN)	Polyethylene (E)	Glass Fiber (G)	Hydrophobic PTFE (HF)	Hydrophilic PTFE (F)	Polypropylene Membrane (M)	Nylon (N)	PP Nano Fiber (NP)	Nylon Screen (NS)	Polypropylene Media (P)	PES (S)	Stainless Steel Screen (SS)	Polyester Screen (TS)
005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	020 = 0.20 100 = 1.0 150 = 1.5 250 = 2.5	004 = 0.45 005 = 0.5 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10 200 = 20 300 = 30	010 = 0.10 020 = 0.20 045 = 0.45 100 = 1.0 300 = 3.0 500 = 5.0 999 = 10	010 = 0.10 020 = 0.20	010 = 0.1 020 = 0.2	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	005 = 0.5	100 = 10 200 = 20 400 = 40 600 = 60 10X = 100 20X = 200	003 = 0.3 006 = 0.6 010 = 1.0 030 = 3.0 050 = 5.0 100 = 10 200 = 20 300 = 30 400 = 40 500 = 50 700 = 70 15X = 150	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	018 = 18 020 = 20	300 = 30 730 = 73



Stopper Sizes
Size 5: 23mm at bottom/26mm at top
Size 6: 26mm at bottom/32mm at top
Size 7: 30mm at bottom/37mm at top
Size 8: 33mm at bottom/40mm at top



### PureFlo Filter Base Ordering Guide

Filter Cup Base	Base Type	Cup Material	Stopper Size	Stopper Materials	O-Ring Materials
FS = Filter Cup Base	0 = Without hose barb	P = Polypropylene (standard) BP = Black PP	0 = No Stopper 5 = Size 5	0 = No Stopper S = Silicone (Standard)	0 = No O-ring S = Silicone (Standard)
	1 = With hose barb	GP = Gamma stabilized PP E = Polyethylene N = Nylon	6 = Size 6 7 = Size 7 8 = Size 8	N = Buna N E = EPDM V = Viton	N = Buna N E = EPDM V = Viton
Example – Filter Cup base without hose barb, with PP material, Size 5 SIL stopper, SIL O-Ring would be FS0P5S5					

### Filter Base Spare Parts

Filter Cup Base Spare Part Order		
Type	Size	Material
FS-RS = for rubber stopper	5 = Size 5	S = Silicone (Standard)
	6 = Size 6	N = Buna N
	7 = Size 7	E = EPDM
	8 = Size 8	V = Viton
FS-OR = for O-Ring on the Stem		
Example: FS-RS-5-S = Filter cup base rubber stopper, Silicone material		
Example: FS-OR-S = Filter cup base O-Rings, Silicone material		



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