

Vacuum Filter Cups: Multi-stack, Single pass.

PureFlo® Filter Cups are a convenient disposable solution for quick and easy bench top filtration of liquids. The filter cups are available in two sizes and in 14 different filtration media for use in a wide variety of applications. The filter cups are ideal for clarifying or sterilizing small volumes of tissue culture media, buffers, dilute acids and bases, alcohols, and solvent solutions.

The tapered walls and compact profile allow multiple filter cups to be stacked in order to perform multiple filtration steps at once. This also allows for compact storage saving valuable lab space.

The filter cup base can be supplied with a variety of stoppers to fit standard size flask openings and can be supplied with or without a vacuum port for use with standard Erlenmeyer or Büchner flasks. When using vacuum, the vacuum should be applied gradually to no more than 16" Hg (and no more than the vacuum rating of the flask).

Filtration media is thermally bonded to the filter cup creating an integral seal. The cups and base are constructed of polypropylene for broad chemical compatibility or other common plastics. To determine the most appropriate materials of construction for your application, consult a chemical resistance guide or contact your local ZenPure representative before use.

Glass Flask not included

Specifications

Materials of Construction:	Cup Material: PP (standard), Polyethylene, Gamma Stabilized PP, and Nylon Membrane: 14 options (See ordering guide)	
Fitting Connections:	Vacuum Inlet: 3/8" Hose Barb Vacuum Inlet or none Stopper Sizes : 5, 6, 7, 8, 9, 10	
Nominal Dimensions:	Diameter: A size :79 mm, Top Capacity: A size :175 mL	B size: 106 mm, Top B size: 350 mL
Effective Filtration Area:	A size: 63 mm in diameter, 31 cm ² filter area B size: 90 mm in diameter, 60 cm ² filter area	
Available Ratings:	0.05- 150um (See ordering guide)	
Operating Conditions: (No Reverse direction)	Maximum Operating Vacuum 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 (Table Top Filtration)



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



PureFlo® Filter Cup

PureFlo Filter Cup Ordering Guide

PureFlo Filter Cup	Filter Media	Pore Sizes (Micron)	Cup Size	Cup Material	Options
FC = Filter Cup	A = Cellulose Acetate CN = Charged Nylon UE = Polyethylene F = PTFE Hydrophobic G = Glass Fiber HF = Hydrophilic PTFE M = PP Membrane N = Nylon NS = Nylon Screen P = PP Media S = PES SS = Stainless Steel Screen TS = Polyester Screen		A = 175ml B = 350ml	P = Polypropylene (standard) E = Polyethylene (UE Media Only) GP = Gamma stabilized PP N = Nylon	A Size Options
		Pick From Pore Size			Blank = 25ea/Box
					-10 = Individually bagged (12 / box)
					-10ETO = Individually bagged Ethylene oxide sterilization (6 / box)
					B Size Options
					Blank = 15ea/Box
					-10 = Individually bagged (10 / box)
					-10ETO = Individually bagged Ethylene oxide sterilization (6 / box)
Example – 25 Filter Cups with 1.0 Micron Polypro Media Filter, 175ml size Cup, PP material would be FCP010AP					

Pore Sizes (Micron)													
Cellulose Acetate (A)	Charged Nylon (CN)	Polyethylene (UE)	Glass Fiber (G)	PTFE (F) Hydrophobic	Hydrophilic PTFE (HF)	Polypro Membrane (M)	Nylon (N)	Natural Glass Fiber (NG)	Nylon Screen (NS)	Polypro Media (P)	PES (S)	Stainless Steel Screen (SS)	Polyester Screen (TS)
010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	005 = 0.05 010 = 0.1 020 = 0.20 045 = 0.45 065 = 0.65 100 = 1.0	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 = 0.20 045 = 0.45 100 = 1.0 300 = 3.0 500 = 5.0 999 = 10	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 = 0.5 010 = 1.0 030 = 3.0 050 = 5.0	070 = 7 100 = 10 200 = 20 400 = 40 600 = 60 10X = 100 20X = 200	003 = 0.3 006 = 0.6 010 = 1.0 030 = 3.0 050 = 5.0 070 = 7.0 100 = 10 200 = 20 300 = 30 400 = 40 500 = 50 700 = 70	005 = 0.05 010 = 0.10 020 = 0.20 045 = 0.45 065 = 0.65 080 = 0.80 120 = 1.20	018 = 18 020 = 20 030 = 30	200 = 20 300 = 30 400 = 40 600 = 60 730 = 73
			Best for Gas Applications					Best for Liquid Applications					



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
Size 9: 37mm at bottom/45mm at top
Size 10: 42mm at bottom/50mm at top
Base O-Ring Size: AS-140



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 GP = Gamma stabilized PP E = Polyethylene N = Nylon	0 = No Stopper	0 = No Stopper	0 = No O-ring
	1 = With hose barb		5 = Size 5 6 = Size 6 7 = Size 7 8 = Size 8 9 = Size 9 10 = Size 10	S = Silicone (Standard) N = Buna N E = EPDM V = Viton	S = Silicone (Standard) 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 FS0P5SS					

Filter Base Spare Parts

Filter Cup Base Spart Part Order		
Type	Size	Material
FS-RS = for rubber stopper	5 = Size 5	S = Silicone (Standard) N = Buna N E = EPDM V = Viton
	6 = Size 6	
	7 = Size 7	
	8 = Size 8	
	9 = Size 9	
	10 = Size 10	
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		

