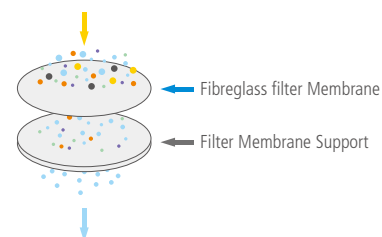


# Filtration Collocations

- > Vacuum filtration technique is widely used in liquid filtration in microbiological detection, SuspendedSolid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc.
- > This unique design combined a filtration funnel with a receiver ask with drain, together with magnetic weighted base, guaranteeing the efficiency and stability.

Drawing for filtration principle



## Specifications

Model	VF1	VF2	VF3	VF5	VF6	VF7	VF8
Funnel	PES	SUS316	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass
Funnel Base	PES	SUS316	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass
Material	PP	SUS316	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Stainless Steel Micro-Strainer + PTFE Gasket	Stainless Steel Micro-Strainer + PTFE Gasket
Stopper	Silicon	Silicon	--	Silicon	Silicon	Silicon	Silicon
Receiver Flask with Drain	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass
Funnel Capacity	300 ml	100 ml	250 ml	15ml	250 ml	250 ml	15ml
Filtration Flask Capacity	1000 ml	1000 ml	1000 ml	125ml	1000 ml	1000 ml	125ml
Filter Diameter	47 mm	47 mm	47 mm	25mm	47 mm	47 mm	25mm
Effective Filtration Area	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	2.2cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	2.2cm <sup>2</sup>
Outlet	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm

Model	VF9	VF10	VF11	VF12	VF30	VF32	VF33
Funnel	SUS316	Borosilicate Glass	SUS316	Borosilicate Glass	PES	SUS316	SUS316
Funnel Base	SUS316	Borosilicate Glass	SUS316	Borosilicate Glass	PES	SUS316	SUS316
Material	SUS316	Stainless Steel Micro-Strainer + PTFE Gasket	SUS316	Sintered glass	PP	SUS316	SUS316
Stopper	Silicon	--	Silicon	Silicon	Silicon	Silicon	Silicon
Receiver Flask with Drain	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass
Funnel Capacity	300 ml	1000 ml	500 ml	300 ml	300 ml	100 ml	300 ml
Filtration Flask Capacity	1000 ml	4000 ml	2000 ml	1000 ml	1000 ml	1000 ml	1000 ml
Filter Diameter	47 mm	90 mm	47 mm	47 mm	47 mm	47 mm	47 mm
Effective Filtration Area	9.6 cm <sup>2</sup>	40.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>	9.6 cm <sup>2</sup>
Outlet	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm	8 mm

## Order Information



VF1

For solvent purification, general filtration and waste inhalation

VF1, 47mm Magnetic Filtration set	167200-01
300ml Magnetic funnel filtration holder ( 1+2+3+4 )	167100-18
1 300 ml Magnetic Filter Cup	167000-34
2 PP Membrane Support	167000-37
3 PES Filtration Base	167000-35
4 Silicone stopper	167110-17
5 Receiver flask with drain, 1000 ml	167300-08
6 Weighted Base	167200-04



VF2

For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.

VF2, 47 mm Stainless Steel Filtration Set	167200-02
100ml Stainless steel filter holder ( 1+2+3+4 )	167103-10
1 Stainless steel funnel, 100 ml	167103-61
2 Stainless steel support screen	167100-31
3 Stainless steel support base	167103-60
4 Silicone stopper	167110-17
5 Receiver flask with drain, 1000 ml	167300-08
6 Weighted Base	167200-04



**VF3**

Ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.

VF3, 47 mm Glass Filtration Set		167200-03
250ml Glass filter holder ( 1+2+3 )		167120-30
1	Glass funnel, 250 ml	167210-03
2	Aluminum Magnesium Alloy Clamp	267240-01
3	Glass support base & tubulated cap	167230-01
4	Ground joint ask, 1000 ml	167250-01



**VF5**

Ideal for small volume vacuum filtration for biological analysis or particulate contamination analysis.

VF5, 25mm Glass Microanalysis Filtration Set		167200-05
15 ml Glass filter holder ( 1+2+3+4 )		167120-32
1	Glass funnel, 15 ml	167220-05
2	Anodized aluminum clamp	267240-05
3	Glass support base	167230-04
4	Silicone stopper	167110-18
5	125 ml Receiver flask	167250-05



**VF6**

Ideal for solvent purification and general filtration for microbiology, suspended solid analysis etc.

VF6, 47 mm Glass Filtration Set		167200-06
250ml Glass filter holder ( 1+2+3+4 )		167120-31
1	Glass funnel, 250 ml	167210-03
2	Anodized aluminum clamp	167240-01
3	Glass support base	167230-03
4	Silicone stopper	167110-16
5	Receiver flask, 1000 ml	167250-03



**VF7**

Ideal for solvent purification and general filtration for microbiology, suspended solid analysis etc.

VF7, 47 mm Glass Filtration Set		167200-07
250ml Glass filter holder ( 1+2+3+4+5+6 )		167120-33
1	250 ml Glass Filter Cup	167210-03
2	Anodized aluminum clamp	167240-01
3	Stainless steel support screen	167230-31
4	PTFE gasket	167230-41
5	Glass support base	167230-07
6	Silicone stopper	167110-16
7	Receiver flask, 1000 ml	167250-03



**VF8**

Ideal for small volume vacuum filtration for biological analysis or particulate contamination analysis.

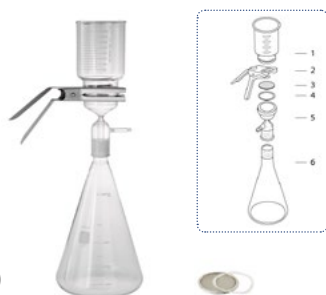
VF8, 25mm Glass Microanalysis Filtration Set		167200-08
15 ml Glass filter holder ( 1+2+3+4+5+6 )		167120-40
1	Glass funnel, 15 ml	167220-15
2	Anodized aluminum clamp	167240-05
3	Stainless steel support screen	167230-32
4	PTFE gasket	167230-42
5	Glass support base	167230-08
6	Silicone stopper	167110-18
7	125 ml Receiver flask	167250-05



**VF9**

For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.

VF9, 47mm Stainless Steel Filtration Set		167200-09
300ml Stainless steel filter holder ( 1+2+3+4 )		167103-30
1	Stainless steel funnel, 300 ml	167103-63
2	Stainless Steel Membrane Support	167100-31
3	Stainless steel support base	167103-60
4	Silicone stopper	167110-17
5	Receiver flask with drain, 1000 ml	167300-08
6	Weighted Base	167200-04



## VF10

Ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.

VF10, 90 mm Glass Filtration Set	167200-10
1000ml Glass filter holder ( 1+2+3+4+5)	167200-35
1 Glass funnel, 1000 ml	167200-55
2 Anodized aluminum clamp	267240-02
3 PTFE coating support screen	167230-33
4 PTFE gasket	167230-43
5 Glass support base & tubulated cap	167230-09
6 Ground joint flask, 4000 ml	167250-06



Unique filtration adaptor design can connect with GL45 storage bottle (1000ml, 2000ml, 5000ml...etc.)

## VF12

Ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.

VF12, Glass Filtration Set	167200-12
250ml Glass filter holder ( 1+2+3+4)	167120-31
1 Glass funnel, 250 ml	167210-03
2 Anodized aluminum clamp	167240-01
3 Glass support base	167230-03
4 Silicone stopper	167110-17
5 Filtration adaptor	197000-65
6 1000ml Glass storage bottle ( Duran )	21801545



## VF32

For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.

VF32, 47mm Stainless Steel Filtration Set	197010-32
100ml Stainless steel filter holder ( 1+2+3+4)	167103-10
1 Stainless steel funnel, 100 ml	167103-61
2 Stainless Steel Membrane Support	167100-31
3 Stainless steel support base	167103-60
4 Silicone stopper	167110-17
PC waste bottle with cover,1000 ml ( 5+6+7)	197000-11-PC
5 PC cover	197000-32-PC
6 Overflow protection	197000-39
7 PC bottle, 1000 ml	197000-31-PC



## VF11

For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.

VF11, 47mm Stainless Steel Filtration Set	167200-11
500ml Stainless steel filter holder ( 1+2+3+4)	167103-50
1 Stainless steel funnel, 500 ml	167103-65
2 Stainless Steel Membrane Support	167100-31
3 Stainless steel support base	167103-60
4 Silicone stopper	167110-17
5 Receiver flask with drain, 2000 ml	167200-13



## VF30

For solvent purification, general filtration and waste inhalation

VF30, 47mm Magnetic Filtration set	197010-30
300ml Magnetic funnel filtration holder ( 2+3+4+5)	167100-18
1 PP Funnel Lid	167130-32
2 Magnetic Filter Cup, 300ml	167000-34
3 PP Membrane Support	167000-37
4 PES support base	167000-35
5 Silicone stopper	167110-17
PC waste bottle with cover,1000 ml ( 5+6+7)	197000-11-PC
6 PC cover	197000-32-PC
7 Overflow protection	197000-39
8 PC bottle, 1000 ml	197000-31-PC



## VF33

For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.

VF33, 47mm Stainless Steel Filtration Set	197010-33
300ml Stainless steel filter holder ( 1+2+3+4)	167103-30
1 Stainless steel funnel, 300 ml	167103-63
2 Stainless Steel Membrane Support	167100-31
3 Stainless steel support base	167103-60
4 Silicone stopper	167110-17
PC waste bottle with cover,1000 ml ( 5+6+7)	197000-11-PC
5 PC cover	197000-32-PC
6 Overflow protection	197000-39
7 PC bottle, 1000 ml	197000-31-PC