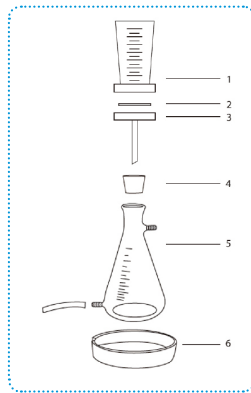


# Manual

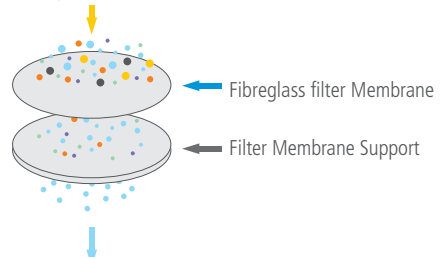
## VF1 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF1 filtration set is special for solvent purification, general filtration and waste inhalation.



Drawing for filtration principle



### Specification

VF1, 47mm Magnetic Filtration set	Material	Order Number
300ml Magnetic funnel filtration holder (1+2+3+4)	--	167103-30
1 300 ml Magnetic Filter Cup	PES	167000-34
2 PP Membrane Support, filter diameter 47mm	PP	167000-37
3 PES Filtration Base, effective filtration area 9.6cm <sup>2</sup>	PES	167000-35
4 Silicone stopper	Silicon	167110-17
5 Receiver flask with drain, 1000 ml, outlet 8mm	Borosilicate Glass	167300-08
6 Weighted Base	--	167200-04



#### WIGGENS GmbH

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

#### WIGGENS Co., Ltd.

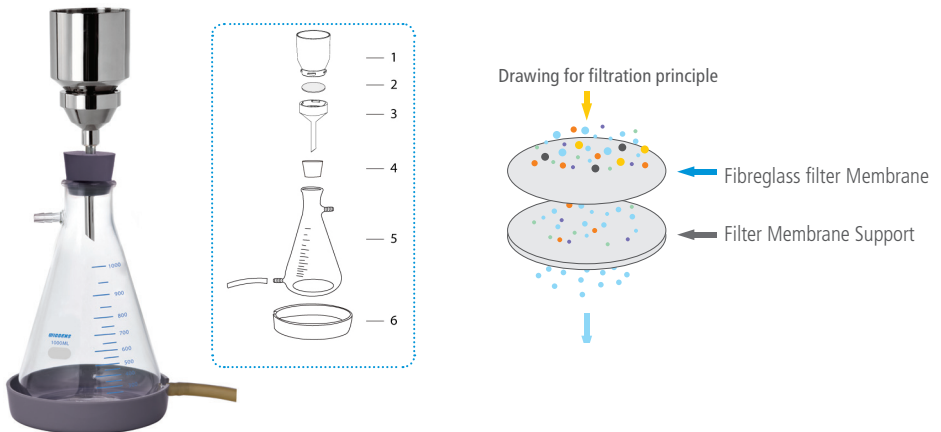
Tel: +86 400-809-2068  
Fax: +86 400-809-2068-112  
info@wiggens.com www.wiggens.com

# Manual

## VF2 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF2 filtration set is special for filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.



### Specification

VF2, 47mm Stainless steel Filtration set	Material	Order Number
100ml stainless steel funnel filtration holder (1+2+3+4)	--	167103-10
1 Stainless steel funnel, 100 ml	Stainless steel	167103-61
2 Stainless steel support screen , filter diameter 47mm	Stainless steel	167100-31
3 Stainless steel support base , effective filtration area 9.6cm <sup>2</sup>	Stainless steel	167103-60
4 Silicone stopper	Silicon	167110-17
5 Receiver flask with drain, 1000 ml, outlet 8mm	Borosilicate Glass	167300-08
6 Weighted Base	--	167200-04



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

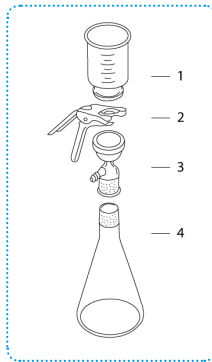
info@wiggens.com www.wiggens.com

# Manual

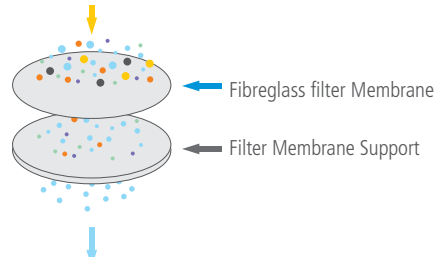
## VF3 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF3 filtration set is Ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.



Drawing for filtration principle



### Specification

	Material	Order Number
VF3, 47mm GLASS Filtration set		
300ml Magnetic funnel filtration holder (1+2+3)	--	167120-30
1 Glass funnel, 250 ml	Borosilicate Glass	167210-03
2 Aluminum Magnesium Alloy Clamp, filter diameter 47mm	Alloy	267240-01
3 Glass support base & tubulated cap, effective filtration area 9.6cm <sup>2</sup>	Borosilicate Glass	167230-01
4 Ground joint ask, 1000 ml	Borosilicate Glass	167250-01



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

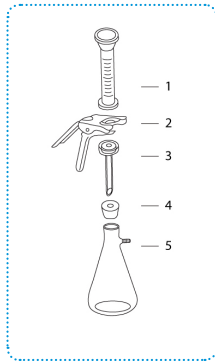
Tel: +86 400-809-2068  
Fax: +86 400-809-2068-112  
info@wiggins.com www.wiggins.com

# Manual

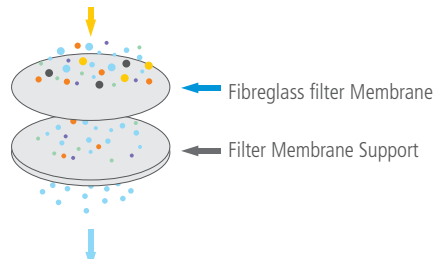
## VF5 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF5 filtration set is ideal for small volume vacuum filtration for biological analysis or particulate contamination analysis.



Drawing for filtration principle



### Specification

VF5, 25mm Glass Microanalysis Filtration Set	Material	Order Number
15ml Glass filter holder (1+2+3+4)	--	167120-32
1 Glass funnel, 15ml	Borosilicate Glass	167220-15
2 Anodized aluminum clamp, filter diameter 25mm	Aluminum	167240-05
3 Glass support base, effective filtration area 2.2cm <sup>2</sup>	Borosilicate Glass	167230-04
4 Silicone stopper	Silicone	167110-18
5 125ml Receiver flask	Borosilicate Glass	167250-05



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

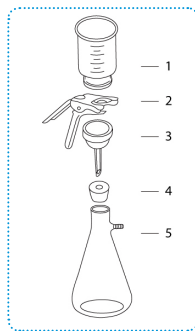
info@wiggins.com www.wiggins.com

# Manual

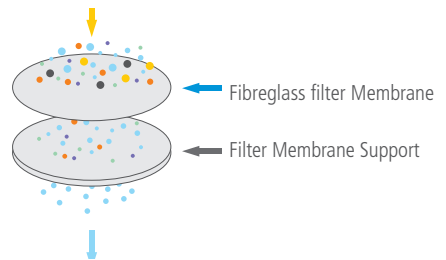
## VF6 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF6 filtration set is ideal for solvent purification and general filtration for microbiology, suspended solid analysis etc.



Drawing for filtration principle



### Specification

VF6, 47mm Glass Filtration Set	Material	Order Number
250ml Glass filter holder (1+2+3+4)	--	167120-31
1 Glass funnel, 250ml	Borosilicate Glass	167210-03
2 Anodized aluminum clamp, filter diameter 25mm	Aluminum	167240-01
3 Glass support base, effective filtration area 9.6cm <sup>2</sup>	Borosilicate Glass	167230-03
4 Silicone stopper	Silicone	167110-16
5 Receiver flask, 125ml, outlet 8mm	Borosilicate Glass	167250-03



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

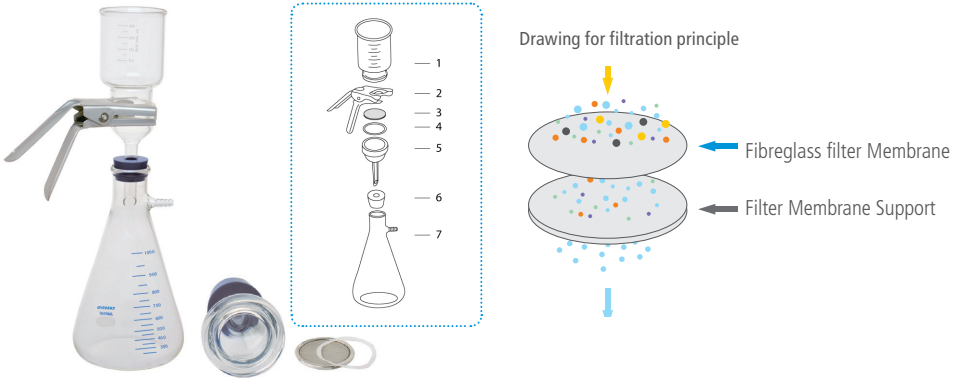
info@wiggins.com www.wiggins.com

# Manual

## VF7 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF7 filtration set is ideal for solvent purification and general filtration for microbiology, suspended solid analysis etc.



### Specification

VF7, 47mm Glass Filtration Set	Material	Order Number
250ml Glass filter holder (1+2+3+4+5+6+7)	--	167120-33
1 Glass filter cup, 250ml	Borosilicate Glass	167210-03
2 Anodized aluminum clamp ,	Aluminum	167240-01
3 Stainless steel support screen , filter diameter 47mm	Stainless steel	167230-31
4 PTFE gasket	PTFE	167230-41
5 Glass support base, effective filtration area 9.6cm <sup>2</sup>	Borosilicate Glass	167230-07
6 Silicone stopper	Silicone	167110-16
7 Receiver flask,1000ml ,outlet 8mm	Borosilicate Glass	167250-03



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

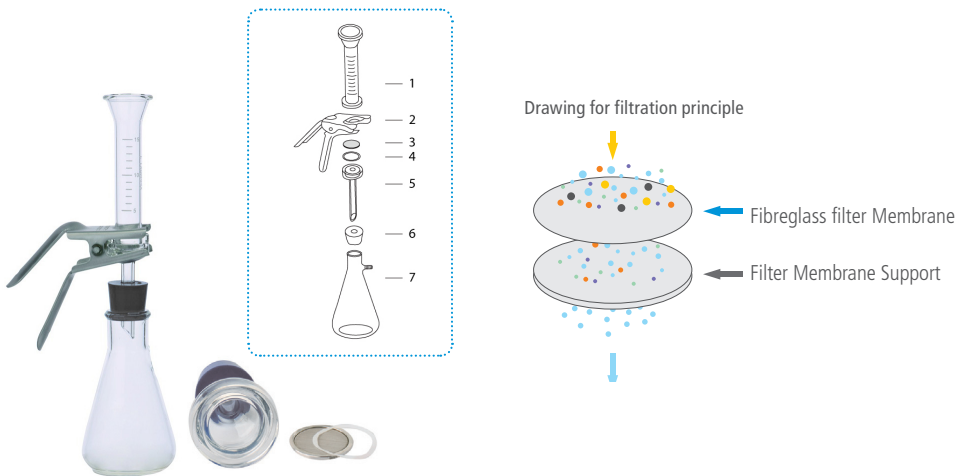
info@wiggins.com www.wiggins.com

# Manual

## VF8 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF8 filtration set is Ideal for small volume vacuum filtration for biological analysis or particulate contamination analysis.



### Specification

VF8, 25mm Glass Microanalysis Filtration Set	Material	Order Number
250ml Glass filter holder (1+2+3+4+5+6)	--	167120-34
1 Glass funnel, 15ml	Borosilicate Glass	167220-15
2 Anodized aluminum clamp	Aluminum	167240-05
3 Stainless steel support screen , filter diameter 25mm	Stainless steel	167230-32
4 PTFE gasket	PTFE	167230-42
5 Glass support base, effective filtration area 2.2cm <sup>2</sup>	Borosilicate Glass	167230-08
6 Silicone stopper	Silicone	167110-18
7 Receiver flask,125ml ,outlet 8mm	Borosilicate Glass	167250-05



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

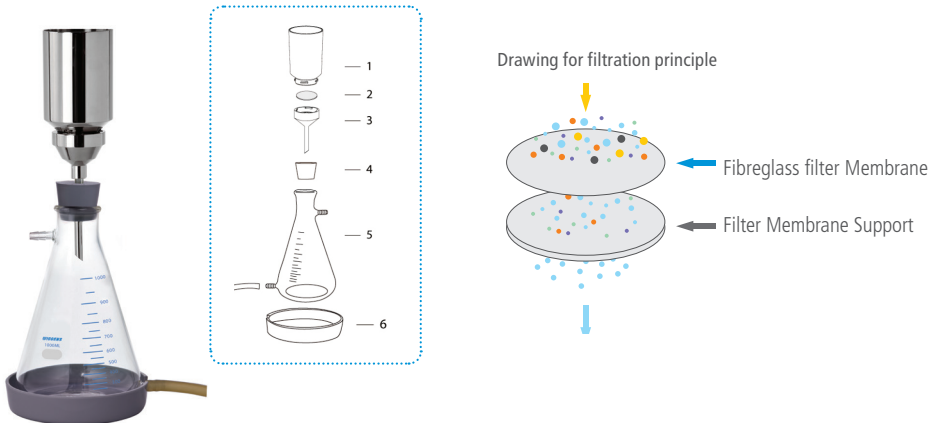
info@wiggins.com www.wiggins.com

# Manual

## VF9 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF9 filtration set is For filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.



### Specification

VF9, 47mm Stainless Steel Filtration Set	Material	Order Number
300ml Stainless steel filter holder (1+2+3+4)	--	167103-30
1 Stainless steel funnel, 300ml	Stainless steel	167103-63
2 Stainless steel membrane support, filter diameter 47mm	Stainless steel	167103-31
3 Stainless steel support base, effective filtration area 9.6cm <sup>2</sup>	Stainless steel	167103-60
4 Silicone stopper	PTFE	167110-17
5 Receiver flask,1000ml ,outlet 8mm	Silicone	167300-08
6 Weighted base	--	167200-04



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

info@wiggins.com www.wiggins.com

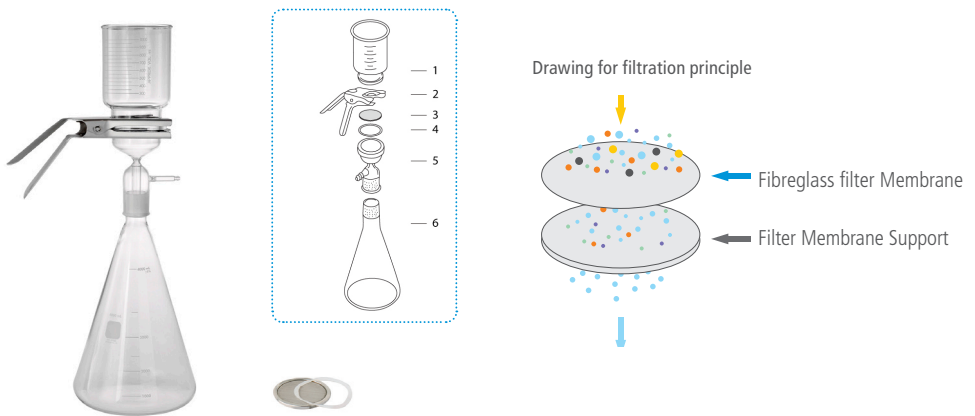


# Manual

## VF10 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF10 filtration set is ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.



### Specification

VF10, 90mm Stainless Steel Filtration Set	Material	Order Number
300ml Glass filter holder (1+2+3+4+5)	--	167200-35
1 Glass funnel, 1000ml	Borosilicate glass	167210-10
2 Anodized aluminum clamp	Aluminum	167240-02
3 PTFE coating support screen, filter diameter 90mm	PTFE	167230-33
4 PTFE gasket, effective filtration area 40.6cm <sup>2</sup>	PTFE	167230-43
5 Glass support base & tubulated cap	Borosilicate glass	167230-09
6 Ground joint flask, 4000 ml, outlet 8mm	--	167250-06



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

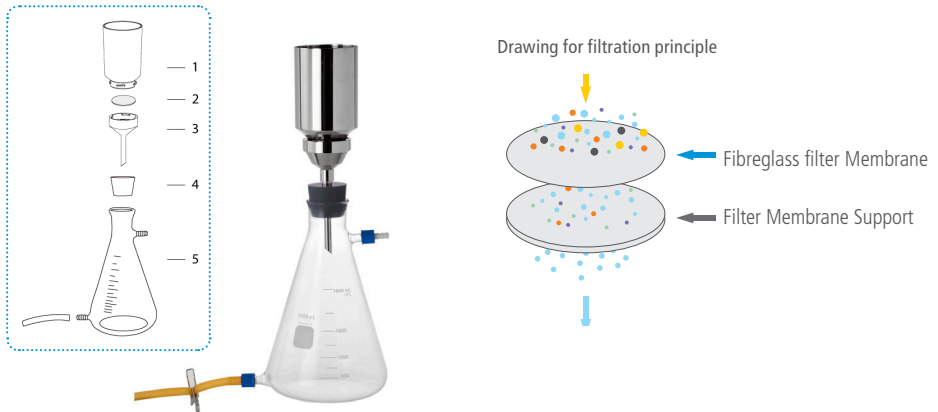
Tel: +86 400-809-2068  
Fax: +86 400-809-2068-112  
info@wiggins.com www.wiggins.com

# Manual

## VF11 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF11 filtration set is for filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.



### Specification

VF11, 47mm Stainless Steel Filtration Set	Material	Order Number
500ml Stainless Steel filter holder (1+2+3+4)	--	167103-50
1 Stainless Steel funnel, 500ml	Stainless Steel	167103-65
2 Stainless Steel membrane support, filter diameter 47mm	Stainless Steel	167103-31
3 Stainless Steel support base, effective filtration area 40.6cm <sup>2</sup>	Stainless Steel	167103-60
4 Silicone stopper	Silicone	167110-17
5 Receiver flask, 2000 ml, outlet 8mm	Borosilicate glass	167200-13



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

info@wiggins.com www.wiggins.com

# Manual

## VF12 Filtration Set

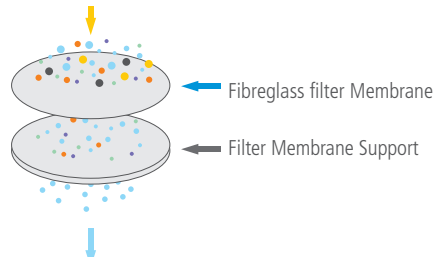
### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF12filtration set is ideal for the purification of organic, corrosive liquid such as solvent (mobile phase) for HPLC analysis.



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

Drawing for filtration principle



### Specification

VF12, Glass Filtration Set	Material	Order Number
250ml Glass filter holder (1+2+3+4)	--	167120-31
1 Glass funnel, 250ml, filter diameter 90mm	Borosilicate glass	167210-03
2 Anodized aluminum clamp	Aluminum	167240-01
3 Filtration adaptor, effective filtration area 40.6cm <sup>2</sup>	--	197000-65
4 Silicone stopper	Silicone	167110-17
5 Ground joint flask, 4000 ml, outlet 8mm	Borosilicate glass	21801545



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

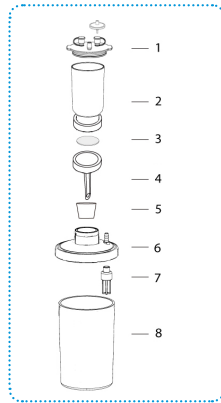
info@wiggins.com www.wiggins.com

# Manual

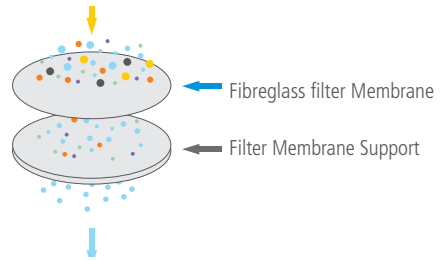
## VF30 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF30 filtration set is ideal for solvent purification and general filtration for microbiology, suspended solid analysis etc.



Drawing for filtration principle



### Specification

VF30, 47mm Magnetic Filtration Set	Material	Order Number
300ml Magnetic funnel filter holder (1+2+3+4+5)	--	167103-30
1 PP funnel lid	PP	167103-32
2 Magnetic filter cup,300ml	PES	167000-34
3 PP membrane support, filter diameter 47mm	PP	167000-37
4 PES support base, effective filtration area 9.6cm <sup>2</sup>	PES	167000-35
5 Silicone stopper	Silicone	167110-17
PC waste bottle with cover,1000ml(5+6+7)	--	197000-11-PC
6 PC cover	PC	197000-32-PC
7 Overflow protection	--	197000-39
8 PC bottle, 1000ml	PC	197000-31-PC



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

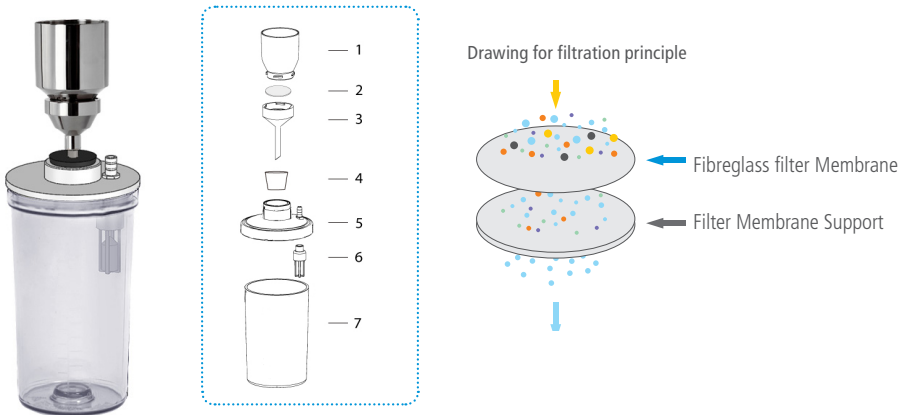
Tel: +86 400-809-2068  
Fax: +86 400-809-2068-112  
info@wiggins.com www.wiggins.com

# Manual

## VF32 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF32 filtration set is for filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.



### Specification

VF32, 47mm Stainless Steel Filtration Set	Material	Order Number
100ml Stainless steel filter holder (1+2+3+4)	--	167103-10
1 Stainless steel funnel,100ml	Stainless steel	167103-61
2 Stainless steel membrane support , filter diameter 47mm	Stainless steel	167100-31
3 Stainless steel support base, effective filtration area 9.6cm <sup>2</sup>	Stainless steel	167103-60
4 Silicone stopper	Silicone	167110-17
PC waste bottle with cover,1000ml(5+6+7)	--	197000-11-PC
5 PC cover	PC	197000-32-PC
6 Overflow protection	--	197000-39
7 PC bottle, 1000ml	PC	197000-31-PC



#### WIGGENS GmbH

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

#### WIGGENS Co., Ltd.

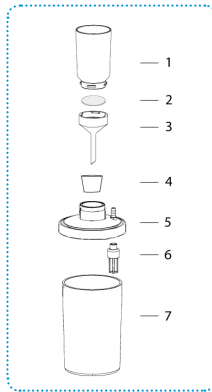
Tel: +86 400-809-2068  
Fax: +86 400-809-2068-112  
info@wiggins.com www.wiggins.com

# Manual

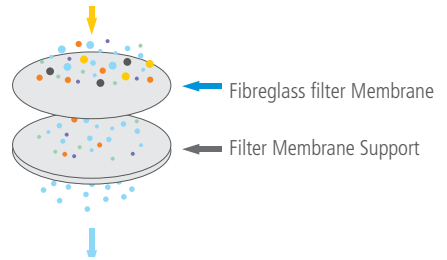
## VF33 Filtration Set

### General Use

Vacuum filtration technique is widely used in liquid filtration in microbiological detection, Suspended Solid detection, sample pre-process or solvent purification, mostly for microanalysis of HPLC, GC, or AA in food, medicine, beverage, drinking water, etc. VF33 filtration set is for filtration requiring the sterilization such as microbiology test or use for purification of corrosive liquid, solvent etc.



Drawing for filtration principle



### Specification

VF33, 47mm Stainless Steel Filtration Set	Material	Order Number
300ml Stainless steel filter holder (1+2+3+4)	--	167103-30
1 Stainless steel funnel,300ml	Stainless steel	167103-63
2 Stainless steel membrane support , filter diameter 47mm	Stainless steel	167100-31
3 Stainless steel support base, effective filtration area 9.6cm <sup>2</sup>	Stainless steel	167103-60
4 Silicone stopper	Silicone	167110-17
PC waste bottle with cover,1000ml(5+6+7)	--	197000-11-PC
5 PC cover	PC	197000-32-PC
6 Overflow protection	--	197000-39
7 PC bottle, 1000ml	PC	197000-31-PC



**WIGGENS GmbH**

Gässlesweg 22-24, 75334 Straubenhardt, Germany  
Tel.: 0049 7248 4529088

**WIGGENS Co., Ltd.**

Tel: +86 400-809-2068

Fax: +86 400-809-2068-112

info@wiggins.com www.wiggins.com