



Single position vacuum filtration system

Portable vacuum filtration system



Bench-top vacuum filtration system



Vacuum pump and filtration sets



Multi-position vacuum filtration system

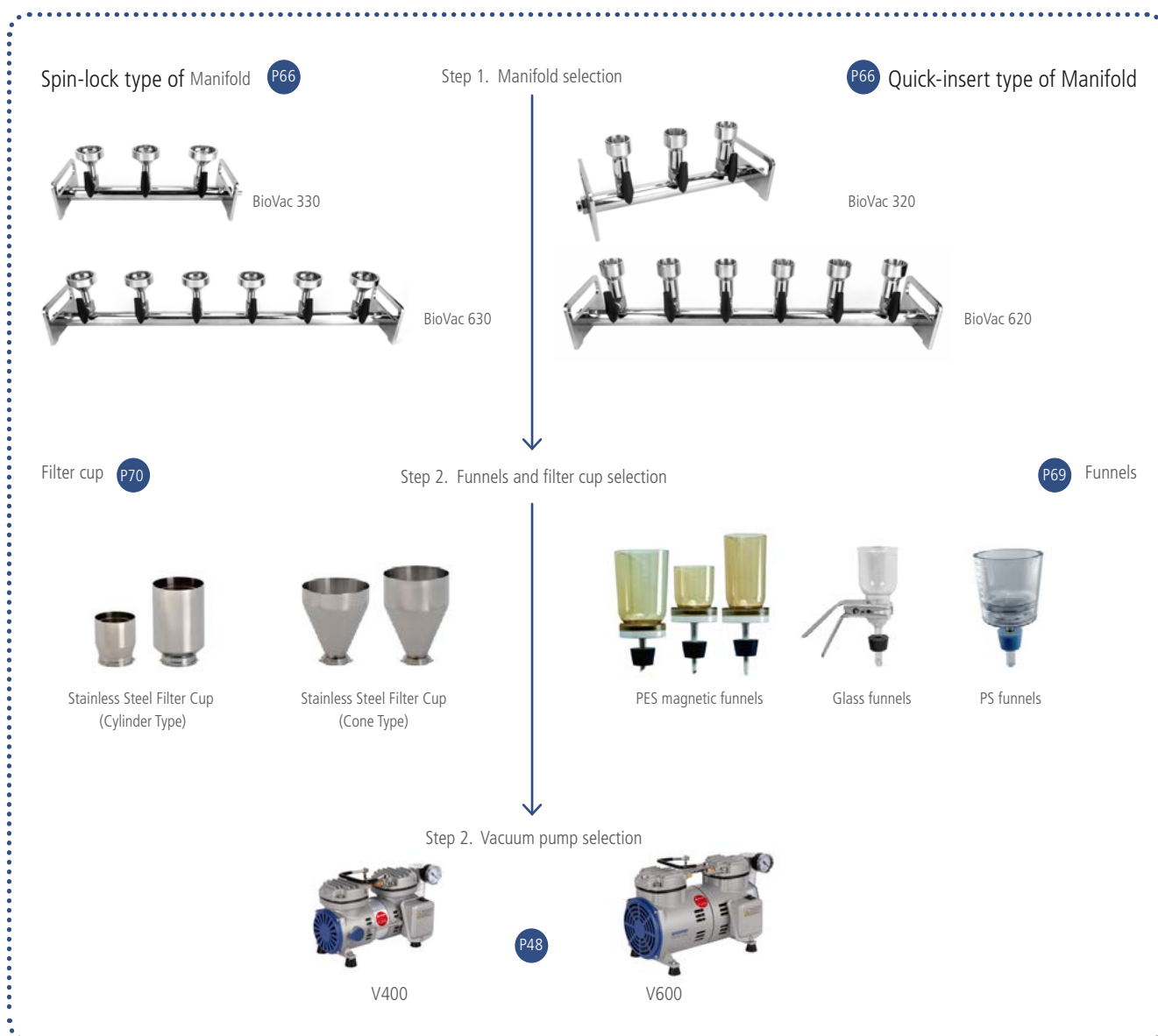
Spin-lock type



Quick-insert type



Vacuum pump and filtration sets









Portable vacuum filtration system

All-In-One Systems

- > Compact and portable design
- > Combines all necessary items for filtration
- > Large varieties of filtration flasks
- > Oil-free vacuum provision
- > Easy maintenance
- > Low noise level
- > Manual pressure control
- > Availability of chemical resistant systems



Product	Content	Application	Contained Filtration Glass Set
VF203A	<ul style="list-style-type: none"> > Oil-free vacuum pump > VF6 filtration flask set > Silicone tube > 0.2 μm water-blocking filter > Fiberglass filter membrane fiberglass filter membrane (47mm / 1 μm) 	Normal filtration Suspended solids measurement	
VF203B	<ul style="list-style-type: none"> > Oil-free vacuum pump > VF2 filtration flask set > Dragon 100 lab burner > Silicone tube > 0.2 μm water-blocking filter > Fiberglass filter membrane fiberglass filter membrane (47mm / 1 μm) 	Normal filtration Microorganism determination	
VF205A	<ul style="list-style-type: none"> > Strong oil-free vacuum pump > VF6 filtration flask set > Silicone tube > 0.2 μm water-blocking filter > Fiberglass filter membrane fiberglass filter membrane (47mm / 1 μm) 	Normal filtration Suspended solids measurement	
VF205B	<ul style="list-style-type: none"> > Strong Oil-free vacuum pump > VF2 filtration flask set > Dragon 100 lab burner > Silicone tube > 0.2 μm water-blocking filter > Fiberglass filter membrane fiberglass filter membrane (47mm / 1 μm) 	Normal filtration Microorganism determination	
VF204	<ul style="list-style-type: none"> > Chemical resistant vacuum pump > VF3 filtration flask set > High-pressure resistant tube > 0.2 μm water-blocking filter 	HPLC Gas chromatography AA micro-analysis Mobile phase decontamination	
VF214	<ul style="list-style-type: none"> > Strong chemical resistant vacuum pump > VF3 filtration flask set > High-pressure resistant tube > 0.2 μm water-blocking filter 	HPLC Gas chromatography AA micro-analysis Mobile phase decontamination	

Specifications

Model	VF 203A	VF 203B	VF 205A	VF 205B	VF 204	VF 214
Working mode	All-In-One Filtration System		All-In-One Filtration System		Chemical Resistant Vacuum Filtration System	
Power (W)	60	60	80	80	60	95
Ultimate vacuum(mbar)	150	150	150	150	100	13
Max. Flow Rate(L/min)	17	17	34	34	22	25
Tube I.D. (mm)	8	8	8	8	8	8
Motor Speed (rpm)	1450	1450	1450	1450	1450	1450
Weight (kg)	7.1	7.1	7.5	7.5	7.1	8.3
Noise Level (dB)	50	50	60	60	50	50
Contained Filtration Glass Set	VF6	VF2	VF6	VF2	VF3	VF3
Order No.	167203A	167203B	167205A	167205B	169204	169214

Bench-top vacuum filtration system

Features

- > Wide range of pumps and filtration flasks
- > High quality components
- > Quick filtration results
- > Easily exchangeable elements

Application

- > Suspended solids measurement
- > HPLC
- > Gas chromatography
- > AA micro-analysis
- > Mobile phase decontamination
- > Food and beverages industry
- > Pharma industry



Product	Features	Components	Application
V300A	<ul style="list-style-type: none"> > Modular design > Environmental friendly > Maintenance-free > Low noise > Added filters for enhanced pump longevity 	<ul style="list-style-type: none"> > Oil-free vacuum pump > VF6 filtration flask set > Silicone tube > Fiberglass filter membranes (47mm / 1 µm) > PTFE disc filter 	Water quality measurement Normal liquid filtration
V300B	<ul style="list-style-type: none"> > Modular design > Magnetic Stability Cup > Environmental friendly > Maintenance-free > Low noise > Added filters for enhanced pump longevity 	<ul style="list-style-type: none"> > Oil-free vacuum pump > VF1 magnetic filtration flask set > Silicone tube > Fiberglass filter membranes (47mm / 1 µm) > PTFE disc filter 	Suspended solids measurement Normal liquid filtration
V300SS	<ul style="list-style-type: none"> > Modular design > Flame-sterilizable > Spin-Lock system > Environmental friendly > Maintenance-free > Low noise > Added filters for enhanced pump longevity 	<ul style="list-style-type: none"> > Oil-free vacuum pump > VF2 filtration flask set > Dragon 100 lab burner > Silicone tube > Fiberglass filter membranes (47mm / 1 µm) > PTFE disc filter 	Microbiological detection All kinds of liquid filtration
C300A	<ul style="list-style-type: none"> > Chemical Resistance > Modular design > Environmental friendly > Low maintenance > Low noise > Added filters for enhanced pump longevity 	<ul style="list-style-type: none"> > Chemical resistant vacuum pump > VF3 filtration flask set > High-pressure resistant tube > PTFE disc filter 	Sample pretreatment for HPLC, GC, and AA analysis All kinds of solvent purification (mobile phase)

Specifications

Model	V300A	V300B	V300SS	C300A
Flow Rate of the Pump(L/min)	17	17	17	22
Ultimate Vacuum(mbar)	150	150	150	210
Filtration Glass Set	VF6	VF1	VF2	VF3
Suction Bottle Capacity (mL)	1000	1000	1000	1000
Filter Diameter (mm)	47/50	47/50	47/50	47/50
Filter Flask Capacity (mL)	300	300	100	300
Filter Flask Material	(Glass Filter Cup)	(Magnetic Filter Cup)	(Stainless Steel Filter Cup)	(Glass Filter Cup)
Effective Filtration Area (cm ²)	8	9.6	9.6	8
Tube I.D. (mm)	8	8	8	8
Order No.	167301	167302	167303	169301

Filtration Set

- > 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.
- > This unique design combines a filtration funnel with a receiver flask with drain, together with magnetic weighted base, guaranteeing the efficiency and stability.

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	Membrane Support	PP	SUS316	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Stainless Steel Micro-Strainer
	Stopper	Silicon	Silicon	--	Silicon	Silicon	Silicon
	Receiver Flask with Drain	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass	Borosilicate Glass
Funnel Capacity (mL)	300	100	250	15	250	250	15
Filtration Flask Capacity (mL)	1000	1000	1000	125	1000	1000	125
Filter Diameter (mm)	47	47	47	25	47	47	25
Effective Filtration Area (cm ²)	9.6	9.6	8	2.2	8	8	2.2
Tube I.D. (mm)	8	8	8	8	8	8	8



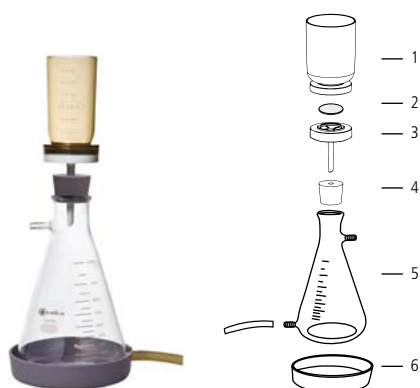
Model	VF9	VF10	VF11	VF12	VF30	VF32	VF33
Funnel	SUS316	Borosilicate Glass	SUS316	Borosilicate Glass	PES	SUS316	SUS316
Funnel Base	SUS316	Borosilicate Glass	SUS316	Borosilicate Glass	PES	SUS316	SUS316
Material	Membrane Support	SUS316	Borosilicate Glass	SUS316	Borosilicate Glass	PP	SUS316
Stopper	Silicon	--	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 (mL)	300	1000	500	250	300	100	300
Filtration Flask Capacity (mL)	1000	4000	2000	1000	1000	1000	1000
Filter Diameter (mm)	47	47	47	47	47	47	47
Effective Filtration Area (cm ²)	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8	8	8	8

Order Information

300mL Magnetic Filtration set

47mm, PP membrane support

For solvent purification, general filtration and waste inhalation



VF1 167200-01

Magnetic filter funnel 300 mL (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	167110-16
5 Receiver flask with drain, 1000 mL	167300-08
6 Weighted base	167200-04

100mL Stainless Steel Filtration Set

47mm, Stainless steel membrane support

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



VF2 167200-02

100mL Stainless steel filter set (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	167110-16
5 Receiver flask with drain, 1000 mL	167300-08
6 Weighted base	167200-04

300mL Stainless Steel Filtration Set

47mm, Stainless steel membrane support

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



VF9 167200-09

300mL Stainless steel filter set (1+2+3+4)

1	Stainless steel funnel, 300 mL	167103-30
2	Stainless steel membrane support	167103-63
3	Stainless steel support base	167100-31
4	Silicone stopper	167103-60
5	Receiver flask with drain, 1000 mL	167110-16
6	Weighted base	167300-08
		167200-04

500mL Stainless Steel Filtration Set

47mm, Stainless steel membrane support

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



VF11 167200-11

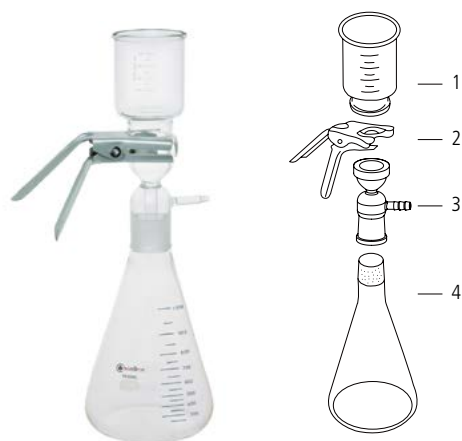
500mL Stainless steel filter set (1+2+3+4)

1	Stainless steel funnel, 500 mL	167103-50
2	Stainless steel membrane support	167103-65
3	Stainless steel support base	167100-31
4	Silicone stopper	167103-60
5	Receiver flask with drain, 2000 mL	167110-16
		167200-13

250mL Glass Filtration Set

47mm, Sintered glass membrane support

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



VF3 167200-03

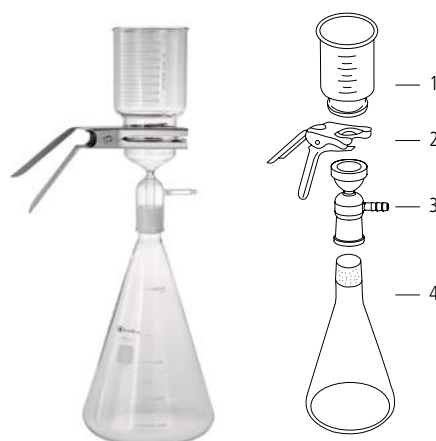
250mL Glass filter set (1+2+3)

1	Glass funnel, 250 mL	167120-30
2	Aluminum magnesium alloy clamp	167210-03
3	Glass support base & tubulated cap	167240-01
4	Ground joint flask, 1000 mL	167230-01
		167250-01

1000mL Glass Filtration Set

47mm, Sintered glass membrane support

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



VF10 167200-10

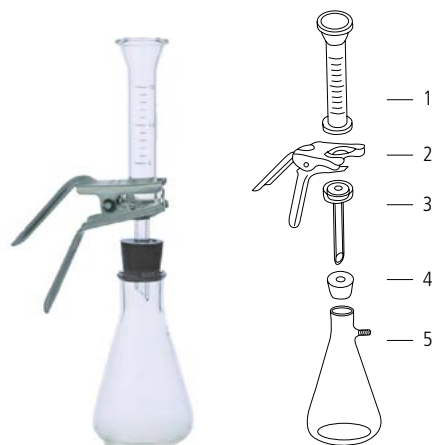
1000mL Glass filter set (1+2+3)

1	Glass funnel, 1000 mL	167210-35
2	Anodized aluminum clamp	167210-10
3	Glass support base & tubulated cap	167240-01
4	Ground joint flask, 4000 mL	167230-01
		167250-06

15mL Small Volume Glass Filtration Set

25mm, Sintered glass membrane support

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



VF5

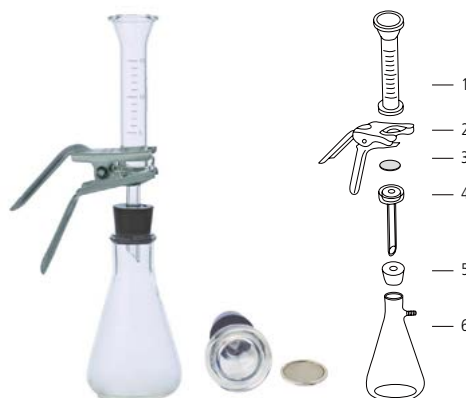
167200-05

15 mL Glass filter set (1+2+3+4)	167120-32
1 Glass funnel, 15 mL	167220-15
2 Anodized aluminum clamp	167240-05
3 Glass support base	167230-04
4 Silicone stopper	167110-18
5 125 mL Receiver flask	167250-05

15mL Small Volume Glass Filtration Set

25mm, Stainless steel membrane support

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



VF8

167200-08

15 mL Glass filter set (1+2+3+4+5)	167120-40
1 Glass funnel, 15 mL	167220-15
2 Anodized aluminum clamp	167240-05
3 Stainless steel support screen	167230-32
4 Glass support base	167230-08
5 Silicone stopper	167110-18
6 125 mL Receiver flask	167250-05

250mL Glass Filtration Set

47mm, Sintered glass membrane support

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



VF6

167200-06

250mL Glass filter set (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 Silicon stopper	167110-17
5 Receiver flask, 1000 mL	167250-03

250mL Glass Filtration Set

47mm, Stainless steel membrane support

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



VF7

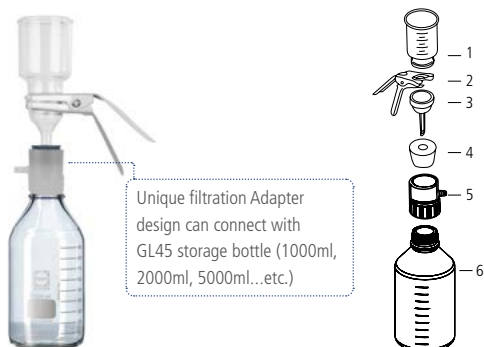
167200-07

250mL Glass filter set (1+2+3+4+5)	167120-33
1 250 mL Glass Filter Cup	167210-03
2 Anodized aluminum clamp	167240-01
3 Stainless steel support screen	167230-31
4 Glass support base	167230-07
5 Silicon stopper	167110-17
6 Receiver flask, 1000 mL	167250-03

250mL Glass Filtration Set

47mm, Sintered glass membrane support

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



VF12	167200-12
250mL Glass filter set (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 Filtration adapter	167000-65
6 1000mL Glass storage bottle (Duran)	21801545

300mL PES Magnetic Filtration set

47mm, PP membrane support, float to prevent overflow

For general filtration and waste inhalation



VF30	197010-30
Magnetic filter funnel 300 mL (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	167110-16
PC waste bottle with cover, 1000 mL (6+7+8)	197000-11-PC
6 PC cover	197000-32-PC
7 Overflow protection	197000-39
8 PC bottle, 1000 mL	197000-31-PC

100mL Stainless Steel Filtration Set

47mm, Stainless steel membrane support, float to prevent overflow

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



VF32	197010-32
100mL Stainless steel filter set (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	167110-16
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

300mL Stainless Steel Filtration Set

47mm, Stainless steel membrane support, float to prevent overflow

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



VF33	197010-33
300mL Stainless steel filter set (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	167110-16
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

Multi-Position Filtration System

Features

The manifold is made of SS316

All parts of a manifold are made of SS316 which are excellent chemical resistant and can be fast sterilized by autoclaving.

The spin-lock design

The manifold uses a spin-lock connection which facilitates fast and stable installation without clamps.

Individual control valve

Each branch permits individual control.

Compatible to different sizes of funnels

manifolds are available to fit 100, 300, 500mL funnel at your option.

Magnetic filter set is included

Magnetic filter set allows one-handed operation, and prevents possible twisting and tearing of the membrane.

Application

- > Biological laboratories
- > Microbiological detection
- > Chemical industry
- > All kinds of liquid filtration



BioVac330B



BioVac630B



BioVac320A



BioVac320B

Specifications

Model	BioVac330B	BioVac630B	BioVac320A	BioVac320B
Max. Flow Rate (L/min)	34	58	34	34
Ultimate Vacuum(mbar)	150	150	150	150
Waste Bottle (Capacity in mL/ Material)	3000 , PC	3000, PC	3000, PC	3000, PC
Number of Branches	3	6	3	3
Manifold Material	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Filter Diameter (mm)	47 / 50	47 / 50	47 / 50	47 / 50
Filter Cup (Capacity in mL/ Material)	100 Stainless Steel	100 Stainless Steel	300 Magnetic	250 Glass
Effective Filtration Area(cm ²)	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8

configuration

	Model	Order No.	Model	Order No.	Model	Order No.	Model	Order No.
Model	BioVac330B	167403	BioVac630B	167601	BioVac320A	167405	BioVac320B	167406
Contains								
Pump	V400	167400	V600	167600	V400	167400	V400	167400
Manifold	BioVac330 3-branch	167103-23	BioVac630 6-branch	167103-26	BioVac320 3-branch	167110-23	BioVac320 3-branch	167110-23
	Stainless steel		Stainless steel		Stainless steel		Stainless steel	
Filter Cups	3 x 100 mL	167103-61	6 x 100 mL	167103-61	3 x 300 mL	167100-18	3 x 250 mL	167120-31
	Stainless steel		Stainless steel		PES (magnetic base)		Glass	
Waste Bottle	3000 mL / PC	167200-33	3000 mL / PC	167200-33	3000 mL / PC	167200-33	3000 mL / PC	167200-33
Bunsen Burner	Dragon 100	177100-00	Dragon 100	177100-00	Without	Without	Without	Without
Filter Membranes	Pall GN-6 MCE *	167100-52	Pall GN-6 MCE *	167100-52	Pall GN-6 MCE *	167100-52	Pall GN-6 MCE *	167100-52
Silicon Tube	2 x 1m	168021-01	2 x 1m	168021-01	2 x 1m	168021-01	2 x 1m	168021-01

* Pall GN-6 MCE / 0.45µm, 200 pcs

Multi-Position Manifolds

Vacuum filtration is widely used in laboratory for various tests such as microorganism test in food, pharmacy, beverage, drinking water industries and suspended solid test in environment protection field, sample or solution pretreatment before HPLC, GC, AA analysis etc.

WIGGENS is one of the leading suppliers of vacuum filtration apparatuses in the world. WIGGENS manufactures quality and cost effective vacuum pumps, compressors, manifolds as well as funnels and filters for different applications, wiggens offer you total solution for vacuum filtration.

Features

The manifold is made of SS316

All parts of BioVac 330, 630 manifold are made of SS316. which are excellent chemical resistant and can be fast sterilized by flame and steam.

The spin-lock design

The manifold uses a spin-lock connection which facilitates fast and stable installation without clamps

Individual control valve

Each branch permits individual control.

Compatible to different sizes of funnels

BioVac 330 and 630 manifolds are available to fit 100, 300, 500mL funnel at your option.



3-branch stainless steel manifold BioVac330
Order No.: 167103-23



Stainless Steel Filter Cup (Cylinder Type)



3-branch Stainless Steel Manifold set (100mL, 300mL, 500mL)
Order No.: 167103-24, 167101-23, 167101-24

3-branch Stainless Steel Manifold set

Model	BioVac330	BioVac331	BioVac333	BioVac335
Order No.	167103-23	167103-24	167101-23	167101-24
Number of Branches	3	3	3	3
Filter Diameter (mm)	47/50	47/50	47/50	47/50
Effective Filtration Area (cm ²)	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8
Dimensions(L×W×H) cm	50×15×15	80×15×20	50×15×23	50×15×26
Filter Cup Material	/	Stainless Steel	Stainless Steel	Stainless Steel
Filter Cup Capacity (mL)	/	100	300	500
Product Description	3-branch stainless steel manifold BioVac 330	3-branch stainless steel manifold BioVac 330 + 3 x 100mL Stainless Steel Filter Cups	3-branch stainless steel manifold BioVac 330 + 3 x 300mL Stainless Steel Filter Cups	3-branch stainless steel manifold BioVac 330+3 x 500mL Stainless Steel Filter Cups



The 6-branch stainless steel manifold BioVac 630
Order No.: 167103-26



Stainless Steel Filter Cup (Cylinder Type)



6-branch Stainless Steel Manifold set BioVac 631
Order No.: 167103-27

6-branch Stainless Steel Manifold set

Model	BioVac630	BioVac631	BioVac633	BioVac635
Order No.	167103-26	167103-27	167101-26	167101-27
Number of Branches	6	6	6	6
Filter Diameter(mm)	47/50	47/50	47/50	47/50
Effective Filtration Area (cm ²)	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8
Dimensions(L×W×H) cm	80×15×15	80×15×20	80×15×23	80×15×26
Filter Cup Material	/	Stainless Steel	Stainless Steel	Stainless Steel
Filter Cup Capacity (mL)	/	100	300	500
Product Description	6-branch stainless steel manifold BioVac 630	6-branch stainless steel manifold BioVac 630 + 6 x 100mL Stainless Steel Filter Cups	6-branch stainless steel manifold BioVac 630 + 6 x 300mL Stainless Steel Filter Cups	6-branch stainless steel manifold BioVac 630+6 x 500mL Stainless Steel Filter Cups

Multi-Position Filtration Manifolds

3-branch Stainless Steel Manifold set



Manifold only



Model	BioVac320	BioVac341	BioVac343	BioVac345	BioVac351	BioVac353	BioVac355	BioVac363	BioVac364
Order No.	167110-23	167111-31	167111-33	167111-35	167112-31	167112-33	167112-35	167113-33	167113-34
Number of Branches	3	3	3	3	3	3	3	3	3
Filter Diameter(mm)	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
Effective Filtration Area (cm ²)	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8	8	8	8	8	8
Dimensions(L×W×H) cm	50×15×12	50×15×23	50×15×27	50×15×30	50×15×30	50×15×30	50×15×33	50×15×30	50×15×30
Filter Cup Material	Without	Stainless Steel	Stainless Steel	Stainless Steel	Magnetic	Magnetic	Magnetic	Borosilicate Glass	Glass funnel with Micro-Strainer
Filter Cup Capacity (mL)	Without	100	300	500	150	300	500	250	250

6-branch Stainless Steel Manifold set



Manifold only



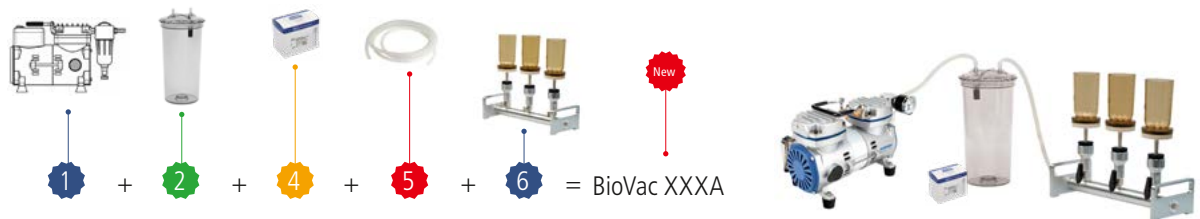
Model	BioVac620	BioVac641	BioVac643	BioVac645	BioVac651	BioVac653	BioVac655	BioVac663	BioVac664
Order No.	167110-26	167111-61	167111-63	167111-65	167112-61	167112-63	167112-65	167113-63	167113-64
Number of Branches	6	6	6	6	6	6	6	6	6
Filter Diameter(mm)	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
Effective Filtration Area (cm ²)	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Tube I.D. (mm)	8	8	8	8	8	8	8	8	8
Dimensions(L×W×H) cm	80×15×12	80×15×23	80×15×27	80×15×30	80×15×30	80×15×30	80×15×33	80×15×30	80×15×30
Filter Cup Material	Without	Stainless Steel	Stainless Steel	Stainless Steel	Magnetic	Magnetic	Magnetic	Borosilicate Glass	Glass funnel with Micro-Strainer
Filter Cup Capacity (mL)	Without	100	300	500	150	300	500	250	250

Customized Assembling Options for Multi-Position Filtration System

Wiggins offers free assembling options, allowing customers to design their own filtration system based on different application requirements.

Filtration System Components Package I

Vacuum pump ①、PP/PC Waste Bottle ②、Filter Membranes ④、Silicon Tubing ⑤、Filtration combination ⑥



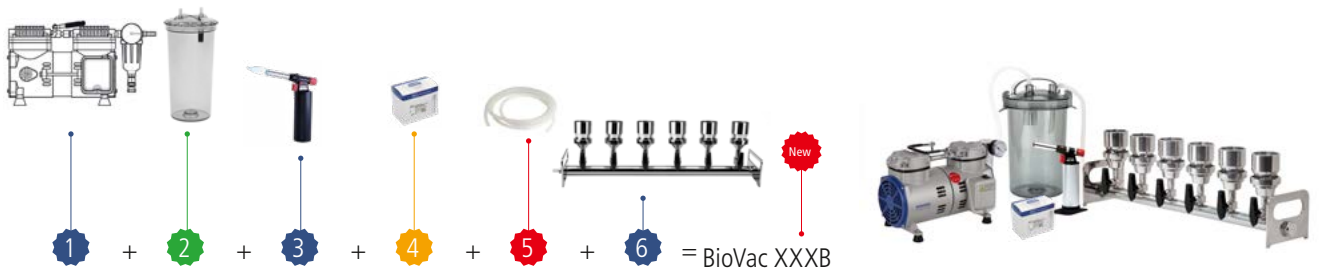
Multi-Position Filtration System

Configuration Table for Multi-Position Filtration System

No.	Name				
1	Vacuum pump	V400	V600	V410	V610
	Order No.	167400	167600	167410	167610
2	Suction bottle	1000mL	2000mL	3000mL	-
	Order No.	167200-31	167200-32	167200-33	-
4	Filter Membranes	Fiberglass Filter Membranes	MCE Filter Paper	-	-
	Order No.	167100-20	167100-52	-	-
5	Silicon Tubing	Outer Diameter 14mm, Inner Diameter 8mm, Length 1m			-
	Order No.	167021-01			-
6	Combination	BioVac351, BioVac353, BioVac355, BioVac363, BioVac364, BioVac651, BioVac653, BioVac655, BioVac663, BioVac664, BioVac311, BioVac313, BioVac315, BioVac301, BioVac303, BioVac305, BioVac323, BioVac324,			

Filtration System Components Package II

Vacuum pump ①、PP/PC Waste Bottle ②、Lab Burners ③、Filter Membranes ④、Silicon Tubing ⑤、Filtration combination ⑥



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Configuration Table for Multi-Position Filtration System

No.	Name				
1	Vacuum pump	V400	V600	V410	V610
	Order No.	167400	167600	167410	167610
2	Suction bottle	1000mL	2000mL	3000mL	-
	Order No.	167200-31	167200-32	167200-33	-
3	Lab Burners	Dragon 100	Dragon 220	-	-
	Order No.	177100-00	177220-00	-	-
4	Filter Membranes	Fiberglass Filter Membranes	MCE Filter Paper	-	-
	Order No.	167100-20	167100-52	-	-
5	Silicon Tubing	Outer Diameter 14mm, Inner Diameter 8mm, Length 1m			-
	Order No.	167021-01			-
6	Combination	BioVac331, BioVac333, BioVac335, BioVac631, BioVac633, BioVac635, BioVac341, BioVac343, BioVac345, BioVac641, BioVac643, BioVac645			

Accessories For Filtration System

47mm Glass Funnel Holder

Features

- > Made of chemical-resistant borosilicate glass
- > High temperature resistant
- > Autoclavable

Specifications

Materials	Glass Funnel	Glass funnel with support screen
Funnel	Borosilicate Glass	Borosilicate Glass
Funnel Base	Borosilicate Glass	Borosilicate Glass
Membrane Support	Sintered Glass	Stainless Steel Support Screen + PTFE Gasket
Clamp	Aluminum	Aluminum

Ordering Information

47mm Glass Funnel	167120-31
250mL Glass Filter Cup	167210-03
Aluminum Clamp	167240-01
47mm Glass Filter Base	167230-03
Silicon Stopper	167110-16

47mm Glass Funnel with Micro Strainer	167120-33
250mL Glass Filter Cup	167210-03
Aluminum Clamp	167240-01
Stainless Steel Support Screen	167230-31
47mm Glass Filter Base	167230-07
Silicon Stopper	167110-16

Type		
Funnel Capacity (mL)	250	250
Filter Diameter (mm)	47	47
Effective Filtration Area (cm ²)	9.6	9.6



Glass Funnel



Glass funnel with support screen

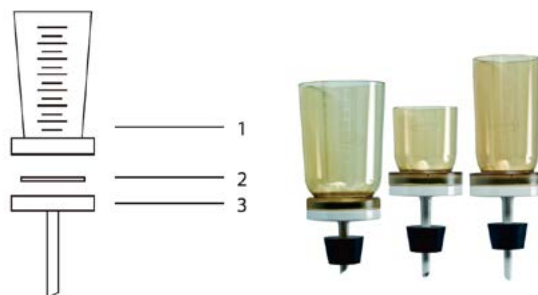


PES Funnels With Magnetic Base

- > Unique magnetic connection design
- > No clamps needed
- > High temperature sterilization possible

Materials	
Filter Cup	PES
Membrane Support	PP
Filter Base	PES
Rubber	Silicon

Specifications	
Magnetic filter funnel 150 mL	167130-15
Magnetic filter funnel 300 mL	167100-18
Magnetic filter funnel 500 mL	167130-50



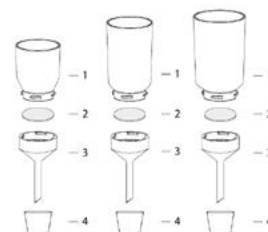
47mm Stainless Steel Funnel

- > Quick and effective spin-lock system
- > No clamp needed
- > SUS316 stainless steel
- > Heat sterilization can be applied



Specification

Materious	100 mL	300 mL	500 mL
Funnel	SUS316	SUS316	SUS316
Funnel Base	SUS316	SUS316	SUS316
Membrane Support	SUS316	SUS316	SUS316
Funnel Lid	SUS316	SUS316	SUS316
Type			
Funnel Capacity (mL)	100	300	500
Filter Diameter (mm)	47 / 50	47 / 50	47 / 50
Effective Filtration Area (cm ²)	9.6	9.6	9.6



Odering Information

100 mL Stainless Steel Funnel	167103-10
100mL stainless steel filter cup	167103-61
Stainless Steel Support Screen	167100-31
47mm stainless steel filter base	167103-60
Silicon stopper	167110-17
300 mL Stainless Steel Funnel	167103-30
300 mL	167103-63
Stainless Steel Support Screen	167100-31
47mm stainless steel filter base	167103-60
Silicon stopper	167110-17
500 mL Stainless Steel Funnel	167103-50
500mL stainless steel filter base	167103-65
stainless steel Support Screen	167100-31
47mm stainless steel filter base	167103-60
Silicon stopper	167110-17

Stainless Steel Filter Cup (Cylinder Type)



Order No.	167103-61	167103-63	167103-65
Filter Cup	SUS316	SUS316	SUS316
Funnel Capacity (mL)	100	300	500
Filter Diameter (mm)	47 / 50	47 / 50	47 / 50
Effective Filtration Area (cm ²)	9.6	9.6	9.6
Suitable for	BioVac 330/630	BioVac 330/630	BioVac 330/630

Stainless Steel Filter Cup (Cone Type)



Order No.	167102-50	167102-75	167102-99
Filter Cup	SUS316	SUS316	SUS316
Funnel Capacity(mL)	500	700	1000
Filter Diameter(mm)	47 / 50	47 / 50	47 / 50
Effective Filtration Area(cm ²)	9.6	9.6	9.6
Suitable for	BioVac 330/630	BioVac 330/630	BioVac 330/630

Stainless Steel Funnel Lid



Description	Order No.
100 mL Stainless Steel Funnel Lid, Suitable for 100 mL Stainless Steel Filter Cup (Cylinder Type)	167103-11
300 mL Stainless Steel Funnel Lid, Suitable for 300 mL Stainless Steel Filter Cup (Cylinder Type)	167103-13
500 mL Stainless Steel Funnel Lid, Suitable for 500 mL Stainless Steel Filter Cup (Cylinder Type)	167103-15
Stainless Steel Funnel Lid, Suitable for 500 mL / 750 mL / 1000 mL Stainless Steel Filter Cups (Cone Type)	167110-20

PP Funnel Lid



Order No.	167130-32		
Specification		Material	
Suitable for Funnel	Pall 4242	Main Body	PP
Number of Inlets	3	Cover	Silicon
Inlet Type	Female luer slip	Filter Material	PTFE
Filter Diameter	25 mm	Pore Size	0.2 μm
Package	1		

Filtration Flask for Liquid

Order No.	167100-13	167100-14
Includes		
Glass bottle	167300-08	167300-08
Rubber stopper	167110-16	167110-17
Weighted base	167200-04	167200-04
Specification		
Capacity (mL)	1000	1000
Inlet / Outlet Diameter (mm)	8	8
Water Outlet	Yes	Yes
The diameter of hole in center of rubber stopper (mm)	Ø15	Ø9.5



Weighted Base

Description	Order No.
1000mL Filtration Flask Base with a Unique Stabilization Design	167200-04



Disc Filter

Name	Pinhead Filter	Small Disc Filter	Big Disc Filter
Order No.	194225-01	167200-35	167200-36
Brand	Pall	Pall	Pall
Filter Diameter / Pore Size	25 mm / 0.2 µm	37 mm / 0.2 µm	50 mm / 0.2 µm
Outer Diameter (mm)	30	45	73
Material	PTFE	PTFE	PTFE
Outer Material	PP	PP	PP
Number of Filters per Package	1	1	1
Suitable for	PP Funnel Lid	BioVac 225 / 235	BioVac 240



Filter Membrane

Name	Fiberglass Filter Membranes	MCE Filter Paper
Order No.	167100-20	167100-52
Brand	Pall	Pall
Filter Diameter (mm)	47	47
Filter Pore Size (µm)	1	0.45
Material	Fiberglass	MCE
Number of Filters per Package	100	200



Silicon Tubing

Order No.	Outer Diameter (mm)	Inner Diameter (mm)	Thickness (mm)	Length (m)
168020-01	12	6	3	1
168021-01	14	8	3	1
168022-01	16	10	3	1



167201-31



167200-31



167200-33

PP/PC Waste Bottle

Material			
Order No.	167200-31	167200-32	167200-33
Bottle	PC	PC	PC
Bottle Cover	PC	PC	PC
Spill-Proof Buoy	PP	PP	PP
Description			
Capacity (mL)	1000	2000	3000
Outlet (mm)	8	8	8
Spill-Proof Buoy	Yes	Yes	Yes
Autoclavability (121°C)	Yes	Yes	Yes

PC Waste Bottle

Description	Material
Order No.	167120-34
Capacity (mL)	4000
Outlet (mm)	8
Spill-Proof Buoy	Yes
Autoclavability (121°C)	Yes



Stand for Waste Bottle

Description	Order No.
Stand for waste bottle designed for stabilizing the bottle in filtration work	167200-39



Foot switch

Description	Order No.
Suitable for C series and V series vacuum pumps	167200-41

Silicon Drainage Tubing

Order No.	Outer Diameter (mm)	Inner Diameter (mm)	Thickness (mm)	Length (m)
168030-01	12	8	2	1