

Vacuum Filtration System

Features

- **For large number of samples**
MultiVac 310 / 610 - MS - A are economical models for large sample filtration. Each system includes Alligator 200 diaphragm liquid pump, manifold and magnetic filter holders.
- **Time-saving and space-saving**
The vacuum source has built in a liquid pump which can be connected directly to manifold without waste bottle. Save 40% bench space and simplify filtration process.
- **Light and handy aluminum design**
The manifold is made of aluminum which is autoclavable, light and cost-effective.
- **Magnetic filter holder is included**
Magnetic filter holder allows one-handed operation and prevents the membrane from being twisted or torn.
- **One-Year Warranty**

Applications

- Suspended solid test
- Microbiological test
- Vacuum filtration

Ordering Information

180311-01(02)-A
180611-01(02)-A
 MultiVac 310 / 610 - MS - A, Vacuum Filtration System, complete set includes:
 *Alligator 200, Diaphragm Liquid Pump
 *MultiVac 310 / 610 - MS, 3/6 Places Aluminum Manifold
 *MF 3, 300 ml Magnetic Filter Holder with lid kit (3/6 pcs)
 *Silicone Tube (2 pcs)



Specification

Model	Alligator 200	
Input voltage	DC 24V, 2.5A	
Max. vacuum	313 mbar / 70 kPa / 20.7 inHg	
Max. liquid flow rate	4.5 L/min	
Motor	60W Brushless DC Motor	
Noise level	60 dB	
Hose barb	5/16 inch (8 mm)	
Material contact with filtrate	SS316, FKM, Silicone, PP, PPS	
Manifold Part	MultiVac 310 - MS	MultiVac 610 - MS
Number of branch	3	6
Filter diameter	47 mm	47 mm
Filter holder	MF 3, 300 ml x 3	MF 3, 300 ml x 6
Material contact with filtrate	Aluminum	Aluminum

Vacuum Filtration System

Features

- **For microbiological filtration**
MultiVac 301 / 601 - MB - A are designed for a large number of samples in microbiological test. Each system includes Alligator 200 diaphragm liquid pump, manifold, burner and stainless steel funnels.
- **Time-saving and space-saving**
The vacuum source has built in a liquid pump which can be connected directly with manifold without waste bottle. Save 40% bench space and simplify filtration process.
- **Quick-assembly and disassembly**
Each component of manifold can be easily removed for cleaning and autoclaving. All wetted parts of manifold are made of SS316 stainless steel, which has a better chemical resistance.
- **One-Year Warranty**

Applications

- Suspended solid test
- Microbiological test
- Vacuum filtration

Ordering Information

180301-01(02)-A
180601-01(02)-A
 MultiVac 301 / 601 - MB - A, Vacuum Filtration System, complete set includes:
 *Alligator 200, Diaphragm Liquid Pump
 *MultiVac 300 / 600 - MB, 3/6 Places Stainless Steel Manifold
 *SS Stainless Steel Funnel, 100 ml (3/6 pcs)
 *Dragon 100, Torch Burner
 *MCE Membrane, 47 mm, 0.45 µm, 200/PK
 *Silicone Tube (2 pcs)



Specification

Model	Alligator 200	
Input voltage	DC 24V, 2.5A	
Max. vacuum	313 mbar / 70 kPa / 20.7 inHg	
Max. liquid flow rate	4.5 L/min	
Motor	60W Brushless DC Motor	
Noise level	60 dB	
Hose barb	5/16 inch (8 mm)	
Material contact with filtrate	SS316, FKM, Silicone, PP, PPS	
Manifold Part	MultiVac 301 - MB	MultiVac 601 - MB
Number of branch	3	6
Filter diameter	47 mm	47 mm
Filter holder	SS 1, 100 ml x 3	SS 1, 100 ml x 6
Material contact with filtrate	SS316	SS316

Vacuum Filtration System



Features

- **Special design for large number samples**
MultiVac 310 / 610 - MS - T are economical models for large sample filtration. Each system includes vacuum pump, manifold, waste bottle and filter holders.
- **Light and handy aluminum design**
The manifold is made of aluminum which is autoclavable, light and cost-effective.
- **Magnetic filter holder is included**
Magnetic filter holder allows for one-handed operation, and can prevent the membrane from being twisted or torn.
- **4 liter PP waste bottle with drain**
The large capacity of 4000 ml waste bottle with drain offers convenience of collecting and draining waste solution.
- **Individual control valve**
Each branch permits individual control.
- **Two-Year Warranty**

Applications

- Suspended solid test
- Microbiological test
- Vacuum filtration

Ordering Information

- 180311-11(22)-T**
180611-11(22)-T
 MultiVac 310 / 610 - MS - T, Vacuum Filtration System, complete set includes :
 * Rocker 400, Oil Free Vacuum Pump
 * MultiVac 310 / 610 - MS, 3/6 Places Aluminum Manifold
 * MF 3, 300 ml Magnetic Filter Holder with lid kit (3/6 pcs)
 * 4000 ml PP Waste Bottle with drain
 * Silicone Tube (1m x 2pcs)

MultiVac 310 - MS - T



MultiVac 610 - MS - T



Specification

Model	Rocker 400	
Voltage / Freq.	110V/60Hz	220V/50Hz
Max. vacuum	105 mbar/ 91 kPa / 26.8 inHg	
Max. flow rate	37 L/min	34 L/min
Overflow protection/ Filter cartridge	Yes	
Vacuum regulator	Yes	
Noise level	52 dB	
Hose barb	5/16 inch (8 mm)	
Model	MultiVac 310 - MS	MultiVac 610 - MS
Number of branch	3	6
Filter diameter	47 mm	47 mm
Filter holder	MF 3, 300 ml x 3	MF 3, 300 ml x 6
Material contact with filtrate	Aluminum	Aluminum

Vacuum Filtration System



Features

- **Special design for microbiological filtration**
MultiVac 301 / 601 - MB - T are designed for a large number of samples filtration in microbiological test. Each system includes vacuum pump, manifold, burner, waste bottle and filter.
- **Innovative vent valve design**
An adjustable vent valve integrated with the pipe can eliminate water hammer phenomenon and help drain out residual waste water.
- **Quick-Fit hose barb**
Detachable hose barb can be connected to either side of the manifold quickly towards the vacuum source.
- **4 liter PP waste bottle with drain**
The large capacity of 4000 ml waste bottle with drain offers convenience of collecting and draining waste solution.
- **Individual control valve**
Each branch permits individual control.
- **Two-Year Warranty**

Applications

- Microbiological test
- Vacuum filtration

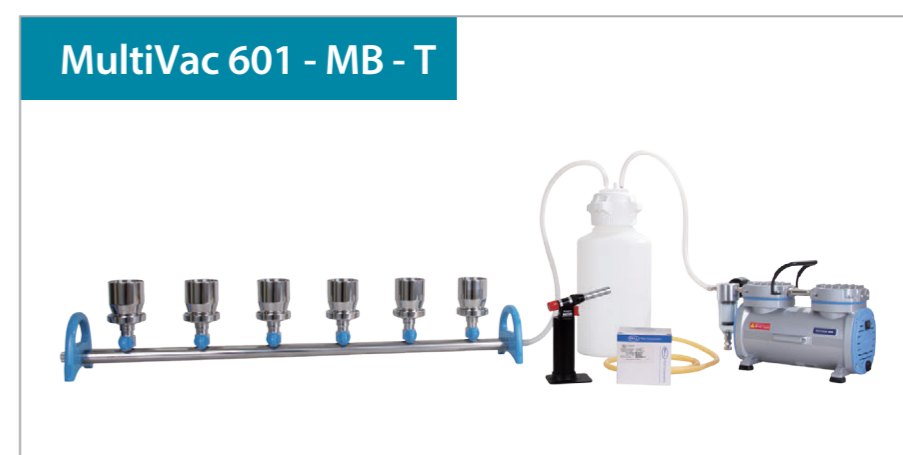
Ordering Information

- 180300-11-T (22-T)**
180600-11-T (22-T)
 MultiVac 301 / 601 - MB - T, Vacuum Filtration System, complete set includes :
 * Rocker 400, Oil Free Vacuum Pump
 * MultiVac 301 / 601 - MB, 3/6 Places Stainless Steel Manifold
 * SS Stainless Steel Funnel, 100 ml (3/6 pcs)
 * 4000 ml PP Waste Bottle with drain
 * Dragon 100, Torch Burner
 * MCE Membrane, 47 mm, 0.45 µm, 200/PK
 * Silicone Tube (1m x 2pcs)

MultiVac 301 - MB - T



MultiVac 601 - MB - T



Specification

Model	Rocker 400	
Voltage / Freq.	110V/60Hz	220V/50Hz
Max. vacuum	105 mbar/ 91 kPa / 26.8 inHg	
Max. flow rate	37 L/min	34 L/min
Overflow protection/ Filter cartridge	Yes	
Vacuum regulator	Yes	
Noise level	52 dB	
Hose barb	5/16 inch (8 mm)	
Model	MultiVac 301 - MB	MultiVac 601 - MB
Number of branch	3	6
Filter diameter	47 mm	47 mm
Filter holder	SS Stainless Steel Funnel (100 ml x 3)	SS Stainless Steel Funnel (100 ml x 6)
Material contact with filtrate	SS316	SS316

How to order?

You can select Combination A, B or C to

A Step 1. Choose the manifold



Step 2. Choose the SS funnel



B Step 1. Choose the manifold

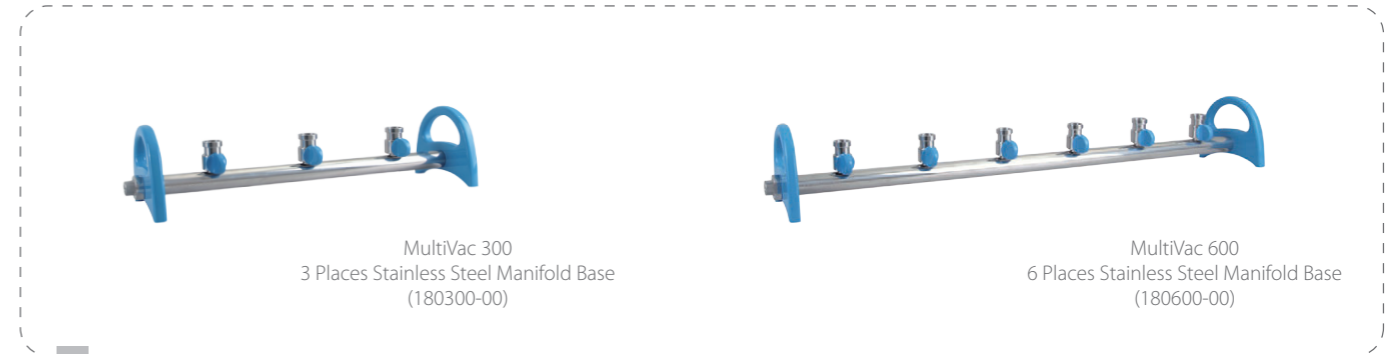


Step 2. Choose the filter holder



complete your order

C Step 1. Choose the manifold

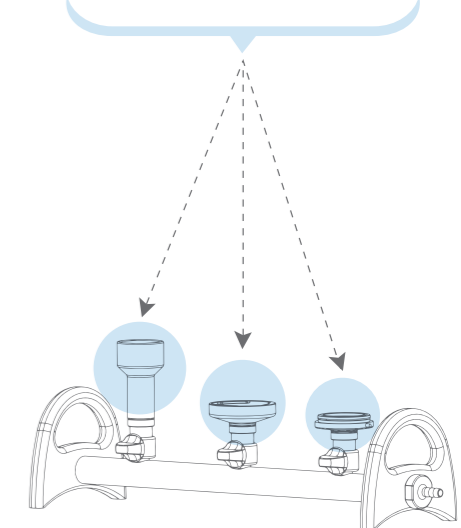


Step 2. Choose the disposable funnel and adaptor



Customized Design

We can offer customized adaptor for your funnel



Filtration Accessories



PES / PC Waste Bottles

Specification	1200 ml, PES waste bottle	1200 ml, PC waste bottle
Catalog number	197000-11	197000-11-PC
Graduated increment	100 ml	100 ml
Overflow protection	Yes	Yes
Cap with suction fitting	Yes	Yes
Hose barb	5/16 (8 mm)	5/16 (8 mm)
Autoclavable	Yes	Yes



GL45 Suction Cap / Filtration Adaptor

Specification	GL45 suction cap	GL45 filtration adaptor
Catalog number	197000-60	197000-65
Material of cap	PP	PP
Material of gasket	-	PTFE
Stopper	-	No. 8 stopper
Hose barb	1/4 inch (6 mm)	4 - 8 mm
Autoclavable	Yes	Yes



Membrane Filters

Specification	Glass fiber filter	MCE membrane
Catalog number	167100-20	167100-52
Brand	Pall	Pall
Filter diameter	47 mm	47 mm
Pore size	1µm	0.45µm
Material of filter	Glass fiber	MCE
Package	100/PK	200/PK



Silicone Fixing Sucker

Specification	Silicone fixing sucker
Catalog number	167200-45
Material	Silicone
Compatible receiver flask	1000 ml receiver flask
Autoclavable	Yes



* PES : Polyethersulfone, PC : Polycarbonate, PP : Polypropylene

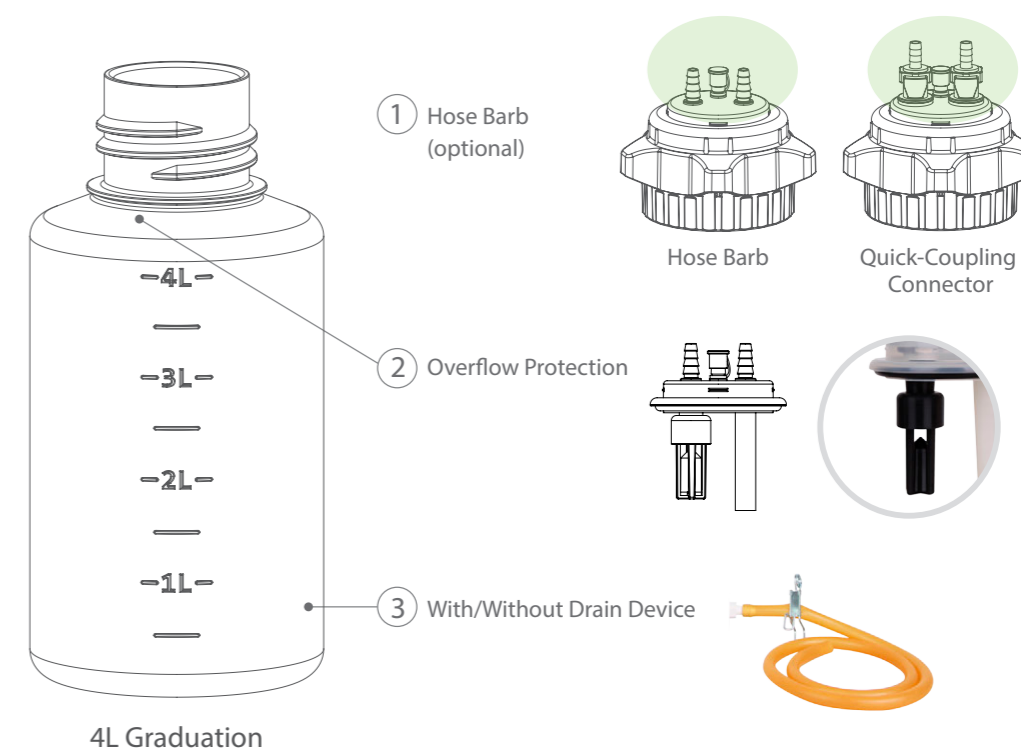
Filtration Accessories

PP Heavy-Duty Vacuum Bottle

Specification	4000 ml, PP vacuum bottle	4000 ml, PP vacuum bottle with drain	4000 ml, PP vacuum bottle with quick-coupling connector
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Catalog number	197200-47	197200-48	197200-53
Hose barb	1/4 inch hose barb	1/4 inch hose barb	1/4 inch quick-coupling connector
Graduated increment	500 ml	500 ml	500 ml
Overflow protection	Yes	Yes	Yes
Hose barb	1/4 inch (6 mm)	1/4 inch (6 mm)	1/4 inch (6 mm)
Drain device	-	Yes	-
Autoclavable	Yes	Yes	Yes



* PES : Polyethersulfone, PC : Polycarbonate, PP : Polypropylene

Aluminum Multi-Branch Manifold



Features

- **Light and handy aluminum design**
All parts of MultiVac 310 / 610 manifold are made of aluminum which is light, cost-effective and autoclavable.
- **Quick-Fit hose barb**
Detachable hose barb can be connected to either side of the manifold quickly towards the vacuum source.
- **Individual control valve**
Each branch permits individual control.
- **Compatible with different sizes of filter holders**
MultiVac 310 / 610 - MS manifold includes No.8 silicone stoppers which can accept various types of filter holders at option.
- **Two-Year Warranty**

Applications

- Suspended solid test
- Microbiological test
- Vacuum filtration

Ordering Information

- 180310-01**
MultiVac 310 - MS, 3 Places Aluminum Manifold with No. 8 stopper x 3
- 180610-01**
MultiVac 610 - MS, 6 Places Aluminum Manifold with No. 8 stopper x 6
- 200300-01**
MF 3, 300 ml Magnetic Filter Holder with lid kit
- 167110-16**
No.8 Silicone Stopper

MultiVac 310 - MS



Quick-Fit hose barb

MultiVac 610 - MS



Specification

Model	MultiVac 310 - MS	MultiVac 610 - MS
Number of branch	3	6
Filter diameter	Optional	Optional
Funnel capacity	Optional	Optional
Effective filtration area	Optional	Optional
Hose barb	5/16 inch (8 mm)	5/16 inch (8 mm)
Dimension (LxWxH)	48 x 13 x 16 cm	85x 13 x 16 cm
Part	Material	Material
Body	Aluminum	Aluminum
Control valve	Aluminum	Aluminum
Handle	Aluminum	Aluminum
Hose barb	Aluminum	Aluminum

Stainless Steel Multi-Branch Manifold



Features

- **Quick-assembly and disassembly**
Each component can be easily removed for cleaning and autoclaving. All wetted parts of MultiVac 300 / 600 manifold are made of SS316 stainless steel, which has a better chemical resistance.
- **Convertible funnel adaptor**
Convertible funnel adaptor design allows user to fit the desired funnel (reusable or disposable) easily.
- **Innovative vent valve design**
An adjustable vent valve integrated with the pipe can eliminate water hammer phenomenon and help drain out residual waste water.
- **Quick-Fit hose barb**
Detachable hose barb can be connected to either side of the manifold quickly towards the vacuum source.
- **Individual control valve**
Each branch permits individual control.
- **Compatible with different sizes of filter holders**
MultiVac 300 / 600 - MS manifold includes No.8 silicone stoppers which can accept various types of filter holders at option.
- **Two-Year Warranty**

Applications

- Microbiological test
- Chemical experiment
- Vacuum filtration

Ordering Information

- 180300-01**
MultiVac 300 - MS, 3 Places SS Manifold with No. 8 stopper funnel adaptor
- 180600-01**
MultiVac 600 - MS, 6 Places SS Manifold with No. 8 stopper funnel adaptor
- 200300-01**
MF 3, 300 ml Magnetic Filter Holder with lid kit
- 167110-16**
No.8 Silicone Stopper

MultiVac 300 - MS



Adjustable vent valve



Quick-Fit hose barb

MultiVac 600 - MS



Specification

Model	MultiVac 300 - MS	MultiVac 600 - MS
Number of branch	3	6
Filter diameter	Optional	Optional
Funnel capacity	Optional	Optional
Effective filtration area	Optional	Optional
Hose barb	5/16 inch (8 mm)	5/16 inch (8 mm)
Dimension (LxWxH)	48 x 13 x 16 cm	85 x 13 x 16 cm
Part	Material	Material
Body	SS316	SS316
Control valve	SS316	SS316
Adaptor	SS316	SS316
Handle / Knob	Aluminum	Aluminum
Hose barb / vent valve	SS316	SS316

Stainless Steel Spin-Lock Design Multi-Branch Manifold



Features

- Quick-assembly and disassembly**
 Each component can be easily removed for cleaning and autoclaving. All wetted parts of MultiVac 300 / 600 manifold are made of SS316 stainless steel, which has a better chemical resistance.
- Convertible funnel adaptor**
 Convertible funnel adaptor design allows user to fit the desired funnel (reusable or disposable) easily.
- Innovative vent valve design**
 An adjustable vent valve integrated with the pipe can eliminate water hammer phenomenon and help drain out residual waste water.
- Quick-Fit hose barb**
 Detachable hose barb can be connected to either side of the manifold quickly towards the vacuum source.
- Individual control valve**
 Each branch permits individual control.
- Compatible with different sizes of funnels**
 MultiVac 300 - MB / 600 - MB manifolds can accept Rocker standard SS 100, 300, 500 ml funnel at option.
- Two-Year Warranty**

Applications

- Microbiological test
- Chemical experiment
- Vacuum filtration

Ordering Information

- 180300-02** MultiVac 300 - MB, 3 Places SS Manifold with Rocker SS funnel adaptor
- 180600-02** MultiVac 600 - MB, 6 Places SS Manifold with Rocker SS funnel adaptor
- 167103-61** 100 ml SS Funnel
- 167103-63** 300 ml SS Funnel
- 167103-65** 500 ml SS Funnel



Specification

Model	MultiVac 300 - MB	MultiVac 600 - MB
Number of branch	3	6
Filter diameter	47 mm	47 mm
Funnel capacity	100 ml / 300 ml / 500 ml	100 ml / 300 ml / 500 ml
Effective filtration area	9.6 cm ²	9.6 cm ²
Hose barb	5/16 inch (8 mm)	5/16 inch (8 mm)
Dimension (LxWxH)	48 x 13 x 11 cm	85 x 13 x 11 cm
Part	Material	Material
Body	SS316	SS316
Control valve	SS316	SS316
Adaptor	SS316	SS316
Membrane support	SS316	SS316
Handle / Knob	Aluminum	Aluminum
Hose barb / Vent valve	SS316	SS316

Stainless Steel Spin-Lock Design Multi-Branch Manifold



Features

- Quick-assembly and disassembly**
 Each component can be easily removed for cleaning and autoclaving. All wetted parts of MultiVac 300 / 600 manifold are made of SS316 stainless steel, which has a better chemical resistance.
- Quick-Fit hose barb**
 Detachable hose barb can be connected to either side of the manifold quickly towards the vacuum source.
- Innovative vent valve design**
 An adjustable vent valve integrated with the pipe can eliminate water hammer phenomenon and help drain out residual waste water.
- Individual control valve**
 Each branch permits individual control.
- Compatible with Rocker standard 100 ml SS funnels**
- Two-Year Warranty**

Applications

- Microbiological test
- Chemical experiment
- Vacuum filtration

Ordering Information

- 180301-02** MultiVac 301 - MB, 3 Places SS Manifold with Rocker SS funnel adaptor, 3 of 100 ml SS funnel
- 180601-02** MultiVac 601 - MB, 6 Places SS Manifold with Rocker SS funnel adaptor, 6 of 100 ml SS funnel



Specification

Model	MultiVac 301 - MB	MultiVac 601 - MB
Number of branch	3	6
Filter diameter	47 mm / 50 mm	47 mm / 50 mm
Funnel capacity	100 ml	100 ml
Effective filtration area	9.6 cm ²	9.6 cm ²
Hose barb	5/16 inch (8 mm)	5/16 inch (8 mm)
Dimension (LxWxH)	48 x 13 x 11 cm	85 x 13 x 11 cm
Part	Material	Material
Body	SS316	SS316
Control valve	SS316	SS316
Adaptor	SS316	SS316
Membrane support	SS316	SS316
Handle / Knob	Aluminum	Aluminum
Hose barb / Vent valve	SS316	SS316