

WaterVac 100

WaterVac 100 - MS

WaterVac 100 - MB

WaterVac 101 - MB

Vacuum Filtration System

Important Notice

- Please study this instruction manual carefully before using this product.
- Please discard packing material according to local related regulations.
- Please make sure the supply voltage and frequency conform to power specified on main unit.
- Please operate the instrument in well ventilated areas and keep away from inflammables.
- This product is not corrosion-proof. Please do not pump acid, base or organic vapors or gases directly.
- Do not pump dirty or impure solution before filtration to avoid clogging this product.
- In case of any questions in using this product, please make sure to contact your local distributor for help. Do not do any improper assembly or disassembly without authorization.
- Please clean and maintain the instrument and accessories according to the maintenance method after every use.
- For more product details, please refer our latest catalog and company website.

Unpacking

Carefully check if the shipping carton is in good condition before unpacking.

Please check all supplied items according to standard package list. If you have any questions, please keep serial no. & shipping carton and contact your local dealer for help.



WaterVac 100-MS



WaterVac 100-MB



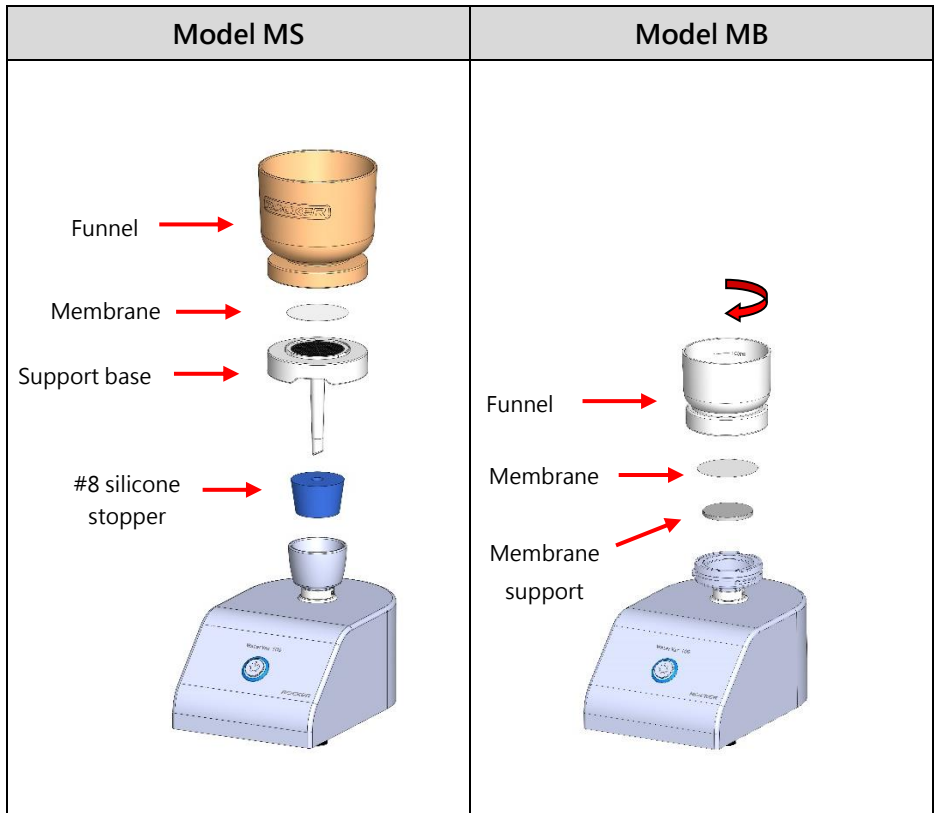
WaterVac 101-MB

Model	Assembly
WaterVac 100-MS	Silicone stopper adaptor + WaterVac 100 Main unit + #8 Silicone stopper + Power adapter + 200 cm Silicone tube + Kit + Instruction manual

Model	Assembly
WaterVac 100-MB	SS Spin-lock support base + WaterVac 100 Main unit + Power adapter + 200 cm Silicone tube + Kit + Instruction manual

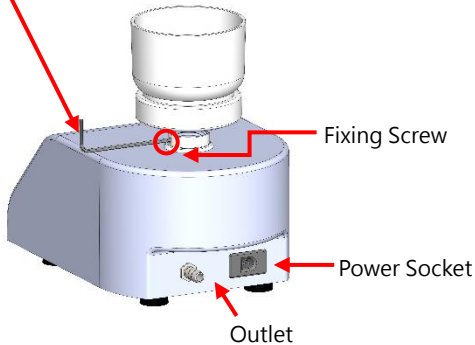
Model	Assembly
WaterVac 101-MB	SF Stainless steel funnel 100ml + SS Spin-lock support base + WaterVac 100 Main unit + Power adapter + 200 cm Silicone tube + Kit + Instruction manual

Installation Example and Operation



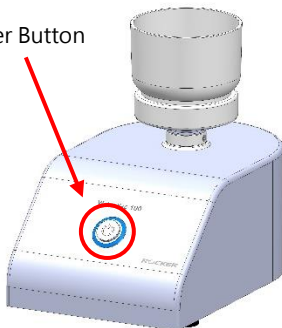
WaterVac 100 Operation

L-Type Hex Key 2mm



1. Make sure that funnel adaptor is screwed into main unit properly; tighten fixing screw with L-Type hex key (2mm) to prevent support base from rotation.
2. Make sure that transformer is plugged into power socket tightly; both ends of silicone tube are connected to outlet and drain tank respectively.

Power Button



1. Make sure that membrane is placed on support base properly then press power button to begin filtration process.
2. Press power button to stop operation once filtration is finished.
3. *Please suck in pure water to clean the tubing after every use. Keep running pump for one more minute after water is cleaned out to ensure the remaining water is completely drained.*

** Caution:

- Do not bend silicone tube or squeeze it with heavy objects to avoid poor drainage.
- Do not pump dirty or impure solution before filtration to avoid clogging or damaging.

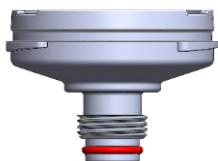
Funnel Adaptor



190100-10

Silicon Stopper Funnel Adaptor_Short:

Compatible with various kinds of filter holders with #8 silicone stopper



180300-30

Rocker SF Stainless Steel Funnel Adaptor:

Fitting to Rocker SF funnel available for instant flame Sterilization and Pall 4870 (100ml), 4871(250ml) plastic funnel.



190100-73

Adaptor for Millipore 100/250ml plastic funnel (Microfil[®] disposable plastic funnel)



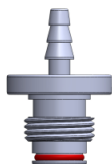
190100-74

Adaptor for Sartorius 16A07 plastic funnel (Microsart[®] disposable plastic funnel)



190100-75

Adaptor for Pall 4870 (100ml), 4871(250ml) funnel (Sentino[®] disposable plastic funnel)



190100-76

Hose barb adaptor (for Ø4-8mm tubing)

Maintenance

1. This product is not autoclavable. Please clean the case by pure water or 75% alcohol.
2. It is strongly recommended to replace O-ring of funnel adaptor once every year at least to keep good aspiration.
3. Silicone tubes are consumables; please replace at least every half year to ensure good drainage.

Troubleshooting

Problem	Reason and Solution
Instrument fails to start	Check if the power supply conforms to power specified on main unit. Check if the power button is pressed properly. Switch is broken → back to local dealer.
Poor vacuum	Check if outlet is blocked. Funnel adaptor O-ring is broken → replace the O-ring Inner tube leakage → back to local dealer. Internal wiring loose →back to local dealer.
Low filtration speed	Check if the connection between funnel and funnel adaptor is tightly sealed. Check if membrane specification is proper. Check if membrane is blocked → replace membrane Funnel adaptor O-ring is broken → replace the O-ring Silicone tube is bent too much → replace silicone tube Internal wiring loose → back to local dealer.

Ordering Information

190110-01(02)	WaterVac 100 - MS, Vacuum Filtration System with No. 8 Stopper Funnel Adaptor, AC 100~240V Adaptor, US Plug (EU Plug)
190120-01(02)	WaterVac 100 - MB, Vacuum Filtration System with Rocker SF Funnel Adaptor, AC 100~240V Adaptor, US Plug (EU Plug)
190121-01(02)	WaterVac 101 - MB, Vacuum Filtration System with Rocker SF Funnel Adaptor, 100 ml SF Funnel, AC100~240V Adaptor, US Plug (EU Plug)
190100-10	Silicone Stopper Funnel Adaptor_Short, compatible with various kinds of filter holders with No.8 silicone stopper
180300-30	SS316 Adaptor for Rocker SF funnel
190100-73	SS316 Adaptor for Millipore 100/250ml plastic funnel
190100-74	SS316 Adaptor for Sartorius 16A07 plastic funnel
190100-75	SS316 Adaptor for Pall disposable plastic funnel
190100-76	SS316 Hose barb for silicone tube, ID4~ID8
180100-31	SF Stainless Steel Support Screen
180100-01 / 03 / 05	100 ml / 300 ml / 500 ml SF Stainless Steel Funnel
200300-01	MF 3, 300 ml Magnetic Filter Holder
200500-01	MF 5, 500 ml Magnetic Filter Holder
167100-20	PALL, Type A/ E Glass Fiber Discs, 1 um, 100/PK
167100-52	PALL, GN-6 Metrice Membrane Disc Filter, grid (100/PK)