

## **biovac 106**

# **Aspiration and Filtration System**

- **Precise Aspiration, Rinsing and removal of samples**
- **Flexible Handpipettor for easy handling**
- **Autoclavable Glass Receiver**



## Aspiration and Filtration Station

Compact system for precise and comfortable operation

The compact and portable “biovac 106” Aspiration System with an integrated resistant diaphragm pump is used for the safe and precise aspiration of non-flammable chemical, biological, and medical liquids. The fluids can be removed easily and very precisely from slides, Petri dishes, cell culture containers etc., by using different pipetts or glass tips and pasteur pipettes which can be easily connected to the HandVac pipettor.

### Design Features

- Superior chemical resistant diaphragm pump with long servicelife
- Automatic Flow-Stop when 2 liter receiver is full
- Hydrophobic Filter for bacteria-, virus d = 55 mm, up to a pore size min 0.22 µm
- Rapid-action coupling hose connectors with automatic isolation valves

### Applications

- Aspiration of biological, medical liquids and fluids
- Cell Culture Aspiration
- Disposal of biological and medical fluids
- Rinsing of sample cultures

Certification: CE-Marked



Secret Glass Receiver 2 liters, with optimized cleaning possibility and prevention of the loss of fluids and damage to the pump

Smart and space saving design offers flexibility in the lab



Build in, high quality diaphragm pump

Handpipettor handvac included, for optimized and flexible aspiration of fluids or e.g. rinsing of cell cultures

### Technical Features/Ordering Information :

Model	Ultimate Pressure mbar	Aspiration rate of liquids ml/s	Dimensions W/D/H mm	Weight kg
Aspiration and Filtration System- biovac 106, 115/230V, 50/60 Hz	100	25	355/145/277	14.2

Scope of Delivery: Delivered with Schuko, UK plug leads, autoclavable receiver including hydrophobic filter and One-Channel handvac adapter for disposable tips, vacuum connection hose for handvac, operation manual.

### Accessories:



Secretion Glass receiver, 2 liters for biovac 106  
Cat.No.: 112523-1



Foot Switch for biovac 106  
Cat.No.: 112529



Microfilter for Secretion glass receiver  
Cat.No.: 828840-20

# handvac handpipettor

## Optimized controlling and flexible handling

### Compact system for precise and comfortable operation

The ergonomic and flexible handheld pipettor can be used in combination with pasteur pipettes, plastic aspiration pipettes and a variety of other adapters needed for your application. A very precise control and pressuresensitive button on the top of the handvac controls the needed vacuum level. An accidental aspiration of cells is prevented.

### Design Features

- Optimized Vacuum Level Controlling
- Handvac is fully autoclavable
- High quality components for trouble-free operation
- Suction regulation through press key on top of the HandVac
- Comfortable Vacuum Hose connection
- Wide accessory range

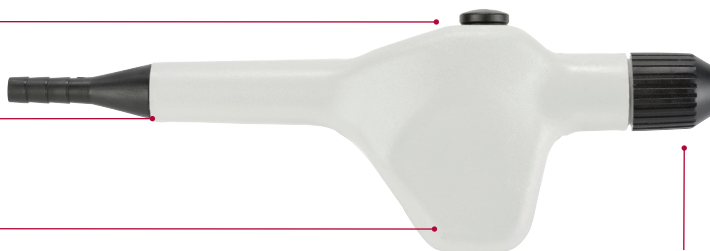


## handvac system - complete tool set for aspiration

Suction regulation through press key on top of the HandVac

Comfortable Vacuum Hose connection

Perfect adaptation to human hand shape, Considers natural hand form with ergonomic features



Easy change of adapters and accessory

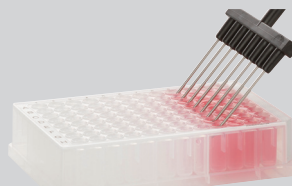
### Working Areas



Aspirate



Filtrate



Rinse



Dispose

### Accessories:



Rubber Adapter for Pasteur pipettes



1-Channel Adapter for disposable tips  
Cat.No.: 828852-05



8-Channel Stainless Steel Adapter  
Cat.No.: 828852-03



Table Top Stand for handvac and accessories



8-Channel Adapter for disposable tips  
Cat.No.: 828852-04

**WELCH-ILMVAC**  
APPLIED VACUUM TECHNOLOGY

Am Vogelherd 20, 98693 Ilmenau • Phone: +49 3677 604 0 • Email: [welch-ilmvac@gardnerdenver.com](mailto:welch-ilmvac@gardnerdenver.com)

## Package Name

## Including



### **Aspiration System - biovac 106**

Cat.No.: 112037

- biovac 106
- secretion glass receiver  
2 liters, autoclavable
- handvac professional  
vacuum hose



### **Aspiration System - biovac 106**

Maxi Package

Cat.No.: 112037-02

- biovac 106
- secretion glass receiver  
2 liters, autoclavable
- spare secretion glass  
receiver, 2 liters
- handvac professional  
on/off foot switch for  
biovac
- vacuum hose



### **handvac professional**

Cat. No.: 112580

- handvac handpipettor  
complete
- 1-Channel Adapter for  
disposable tips
- 8-Channel Adapter for  
disposable tips
- 8-Channel Stainless Steel  
Adapter
- rubber Adapter for  
pasteur pipettes
- Table Top Stand
- vacuum Hose



### **handvac double**

Cat.No.: 112580-02

- handvac handpipettor
- y - connector
- vacuum Hose



### **handvac basic**

Cat.No.: 112580-01

- handvac handpipettor
- 1-Channel Adapter for  
disposable tips
- rubber Adapter for pasteur  
pipettes
- vacuum Hose