

SafeVac

Vacuum-Controlled Aspiration System

Safe and efficient system for labs handling critical or biological liquid waste.

Features

- Compact, user-friendly design
- Level detection system prevents bottle overflow
- Control knob for vacuum setting
- The parts in contact with liquids are autoclavable
- Easy to disassemble and clean
- Ideal tool to avoid lab air contamination and protect personnel safety
- Adjustable vacuum level with indicator light is designed for various applications

Applications

For laboratory waste recovery and separation of liquid and solid. It can be widely used in cell culture, DNA extraction, microplate waste removal, and any other liquid separation or recovery. Best replacement for the common vacuum pump, for all kinds of waste liquid recovery, especially biological, chemical and radioactive liquids.

Self-closing connectors to avoid escape of drops or aerosols from disconnected bottle

Stand for transferring the bottle securely and holding the hand operator

vacuum level indicator light

Sensitive level sensor to prevent liquid overflow



Specifications

Wide range of adapters to fit well with different tubes, microplate and disk plate, all of which can be fully autoclaved (At 121°C 1 bar for 20 minutes. After autoclaving the equipment must be cooled down before use).

Vacuum range	0–600mbar
Aspirating speed	15L/min (air)
Flow rate [liquid]	17mL/s
Bottle	4L
Autoclave component	Tube;waste bottle;operation handle;
Noise level	≤55dB
Input voltage	100–240VAC, 50/60Hz
Dimension[WxDxH]	180x240x450mm
Weight	3kg

A	8-channel tip detrusion adapter 200 μ L tip
B	8 channel needle \varnothing 1.5mm
C	Single needle \varnothing 2.5mm, 40mm
D	Single needle \varnothing 2.5mm, 120mm
E	Single needle \varnothing 1.5mm, 40mm
F	Single needle \varnothing 1.5mm, 120mm
G	tip detrusion adapter 200 μ L tip
H	tip detrusion adapter 1mL tip
I	SafeVac Handle bracket



EcoVac

Economical Vacuum Aspirator

Small, compact and easy to use system for the convenient handling of liquid waste disposal.

Easy to switch between manual aspiration and two-level adjustable continuous aspiration:
Level 1: Standard continuous aspiration mode.
Level 2: Fast continuous aspiration mode enhanced

Hanging handles on both sides

Vacuum level indicator light



Features

- Small and compact to fit in the cabinet, on the benchtop or even beneath the bench
- Easy to switch between manual aspiration and continuous aspiration mode, reducing RSI (Repetitive Strain Injury) and improving efficiency
- Collection bottle outlet with hydrophobic filter prevents aerosol and liquid contamination
- Brushless motor offers low noise and long life
- Different adapters are available to fit a multitude of laboratory supplies
- The parts in contact with liquids can be autoclaved
- Adjustable vacuum level with indicator light is designed for various applications

Specifications

Vacuum range	0–500mbar
Aspirating speed	15L/min(air)
Flow rate [liquid]	17mL/s
Bottle	2L standard, 1L optional with adaptor
Motor type	Brushless Motor
Input voltage	100–220VAC, 50/60Hz
Dimension [W × D × H]	180 × 240 × 340 mm
Weight	2.8kg

Wide range of applications

EcoVac is suitable for any application where the single liquid suction volume is less than 2L. The applicability includes use of various common consumables, which can be widely used in the collection and removal of liquids in experiments of microorganisms, molecules, proteins, cells, etc., and other applications such as RNA/DNA extraction, Western blots and ELISA.

- Aspiration of supernatants after centrifugation
- Aspiration of eluent
- Removal of supernatants during nucleic acid extraction
- Removal of culture media
- Removal of wash solutions from immuno-assay well-plate
- Removal of buffers of Western blot strips
- Removal of excess liquid from slides and Petri dishes



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