

# Vented Balance Enclosures

VBE204/214/306/316/408/418/600/610

Self-contained units ideal for fine powders, chemicals and biological products



**VBE306**  
115-120V

**VBE316**  
220-240V

**VBE408**  
115-120V

**VBE418**  
220-240V

## ■ Features

- Includes top mounted HEPA/Blower filtration which are set-up to circulate the internal chamber atmosphere, through the HEPA filter and into the lab.
- The smooth curved, or rounded ABS™ airfoils provide gentle, unobstructed air flow through rear, and side, baffles and through top mounted HEPA filter.
- Constructed with optically clear 3/8" jeweled acrylic plastic
- Front viewing sash with multiple air foils for higher containment and draft deflection
- Includes phenolic base with superior chemical resistance and provides higher analytical balance stabilization
- Low vibrations. The black base allows for easy powder detection.
- Electrical cord outlet port
- Air flow alarm system
- Adjustable front draft protection
- Side blank plate for optional Bag-In / Bag-Out port
- Includes face velocity alarm

## HEPA Filters

Aluminum frame with upstream/downstream polyurethane gasket. 100mm thick pleat requires fewer filter change outs and increased longevity. Rate 99.9997% @ 0.3 microns (H14). Easy HEPA filter replacement.

## Blowers

High efficiency backward curved impeller. Variable speed controller. IP44 protection as per EN60034-5. Ecodesign Directive 2009/125/EC.

## Exhaust Duct

6" OD port can be hard-ducted, thimble conneted, exhausted back into the room, or exhausted out of a mobile laboratory.

## Energy and Sound

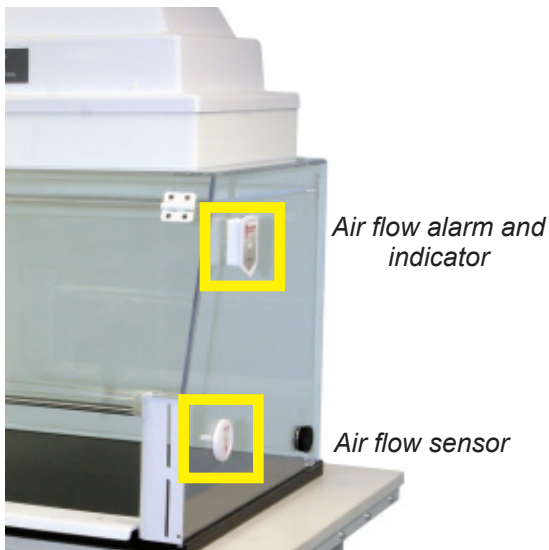
Blower current 0.53 amps. <55 dBA @ 80 FPM

## Airflow

Target face velocity: 80 FPM. Non-turbulent, gentle airflow sweeps particulates into the rear baffle.

## ■ Specifications

Model	Inner Work Surface	Outside Dimension
VBE204/214	23.5" wide x 21" deep 597mm x 533mm	24" wide x 28" deep x 41" high 609 x 711 x 1041 mm
VBE306/316	35.5" wide x 21" deep 901mm x 533mm	36" wide x 28" deep x 41" high 914 x 711 x 1041 mm
VBE408/418	47.5" wide x 21" deep 1206mm x 533mm	48" wide x 28" deep x 41" high 1219 x 711 x 1041 mm
VBE600/610	59.5" wide x 21" deep 1511mm x 533mm	60" wide x 28" deep x 41" high 1524 x 711 x 10414 mm



Air flow alarm and indicator

Air flow sensor

### AIR FLOW ALARM

- Adds additional security needed for laboratory researchers
- Continuous tracking of air velocities within the balance enclosure
- Includes next generation airflow alarm technology
- Audible and visual alarm functions
- Includes 110V adapter

Specifications	Details
Airflow velocity range	40 -2000 fpm
Response time	< 1 second
Alarm indicators	LED light & audible Piezo
Turbulence warning	Flashing yellow LED rest switch
System failure	Red flashing LED
System Healthy	Green solid LED

## Recommended Accessories

### 800-BIBO/PORT



Bag-In / Bag-Out port includes a long ArmorFlex™ polypropylene bag (48" long) for safe removal of trash and unwanted debris.

Unwanted debris and trash are always contained and are never exposed outside of the containment isolator.

Bag port is 6" OD clear acrylic with two machined grooves for bag placement.

### 800-BIBO/CRIMPER

Allows safe and secure removal of unwanted debris from inside the balance enclosure.

Trash is removed from the inside of the balance enclosure, through the 6" waste port, and into the bag.

## Adjustable Lift Tables



Adjustable height lift tables with locking casters.

Height range: 25" to 45"  
635mm x 1143 mm

Maximum weight: 330 lbs.  
149 kilos

Product code	Model
900-CARTLIFT/24	VBE204/214
900-CARTLIFT/36	VBE306/316
900-CARTLIFT/48	VBE408/418
900-CARTLIFT/60	VBE600/610

## Extraction Units



### 900-EXTRACT

Extraction unit is a variable speed suction housing that includes your choice of filters such as HEPA or Impregnated Carbon. Suction speeds can be adjusted from "0" up to 250 CFM face velocity.

### Filter options:

Product code	Model
900-LVFH/HEPA	HEPA filter
900-LVFH/Carbon	Impregnated carbon filter
900-LVFH/HEPA/CARB	Combination. HEPA / Non-Impregnated Carbon Filter
900-LVFH / CARBN(A)	Alkaline type fumes
900-LVFH / CARBN(B)	Ammonia or amines
900-LVFH / CARBN(C)	Aromatic hydrocarbons, organic vapors, ketones, alcohols, organic acids, and odors

### ⚠ Attention

- Never use in flammable or explosive gas atmosphere
- Never use explosive or flammable material
- Caution: High temperature components