

## Flow Sciences Vented Balance Enclosure

The Flow Sciences Top Mount Enclosure Series eliminates vibration. Through engineering controls and intuitive design, the vibration of the fan does not transfer to the work surface, allowing for accuracy in weighing and other sensitive applications.

Rating: Not Rated Yet

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Manufacturer [Flow Sciences](#)

### Description

- [Description](#)
- [Features](#)
- [Options](#)

## Description

**Flow Sciences' Single HEPA Filter and Dual HEPA BIBO Series of Contained Vented Enclosures** are designed to prevent loss of containment with the use of airfoils and plenums, creating a laminar airflow across the work surface, which reduces eddies and turbulence. The ETA Series features a front door lift that allows for easy loading and unloading of equipment. The single 4" thick HEPA filter with fan is ideal for benchtop / scale up and nanotechnology applications, and has been proven by an independent test organization to contain loss to below 1  $\mu\text{g}/\text{m}^3$  based on process and quality. FSI's state-of-the-art BIBO feature allows the operator to safely remove and replace the main filter while maintaining maximum containment from toxic fumes and particles. The top-mounted exhaust system can recirculate air into the lab or send it directly to the house exhaust without transferring vibration from the fan unit to the work surface. As an additional safety measure, FSI's Contained Vented Enclosures feature a face velocity alarm that visually and audibly alerts the operator when airflow is compromised. These features allow for reproducibility and accuracy of weighing. In case of an accident, the dished phenolic base is chemically resistant and designed to contain spills. The ETA Series is available in 3' or 4' standard width units and features options such as LED lights and waste ports to safely transfer contaminants from the enclosure.

### Top Mount Containment ETA Series VBE, CVE, Class I Bio Safety Cabinet

- Designed for working with balances and other equipment
- Available in many exhaust configurations
- Vibration reduction technology for reproducibility and accuracy
- Acrylic Construction with Phenolic Resin Base

## PROCESS

Handling and manipulation of API (Active Pharmaceutical Ingredients) and other toxic materials where personnel protection is required.

## CONTAINMENT

Heavily dependent on potency and quantity of the toxic material being worked with, this unit can contain a wide variety of OEL levels. Consult FSI about your application.

## EQUIPMENT

The ETA Series can provide containment for many applications and equipment, including balances, microscopes, particle analysis, and many more.

## Features

### BAG-IN / BAG-OUT (BIBO) TECHNOLOGY

Flow Sciences' Top Mount Safety Enclosure with Bag-in / Bag-out (BIBO) Filtration is engineered to provide a safe, stable working environment in laboratory settings. The BIBO filter is designed for safe disposal and replacement of HEPA filter by a certified technician.

### SAFETY

The Top Mount series provides containment for various benchtop / scale up and nanotechnology applications. FSI engineering controls are built in to prevent loss of containment. Third Party testing has proven containment on these units to below 1 ?g/m<sup>3</sup> based on process and quantity.

### TECHNOLOGY

Reproducibility and accuracy of weighing is achieved by engineering controls that create laminar airflow across the work surface. This also prevents product loss from turbulent airflow.

### VELOCITY ALARM

This series includes a face velocity alarm that comes standard on all units, either integrated into the fan power or separate. A visual and audible alarm alerts the operator when airflow is compromised. The air velocity is measured at the face opening to be the most accurate.

### DESIGN

This unit is able to effectively contain using airfoils and plenums to create laminar airflow across the work surface and reduce eddies and turbulence. The top mounted exhaust system with dual 4" HEPA filters or carbon filters can be recirculated into the lab or sent directly to house exhaust.

### HEPA FILTRATION

The Glovebox Workstation system is equipped with a 4" HEPA filter inlet and primary and secondary 4" HEPA outlet filters that can be recirculated into the lab or sent directly to house exhaust.

### LED LIGHT

This enclosure features an optional internal white LED light for improved visibility inside of the enclosure that provides direct light onto the application. Ask your representative to add the LED light to your Vented Balance Enclosure. Also available in Amber LED through customization.

### VIBRATION ISOLATION

Flow Sciences engineering controls provide vibration isolation to ensure 6-7 place balance stability and reproducibility of samples.

### DUAL HEPA FILTER TECHNOLOGY

The Dual HEPA Series ETA systems have two 4" Pleated HEPA filters, one primary and one secondary (redundant). The non-loading secondary HEPA filter prevents any contaminants that might migrate upstream during Bag-in/Bag-out disposal from coming in contact with the fan unit and being discharged to house exhaust or re-circulating into the room.

## Options

### STANDARD SIZES

The ETA Series is available in 3, 4, 5, 6, and 8 foot standard width options. Other options include 24" or 30" depth with 24" or 27" internal height. Customization available.

### SUPERSTRUCTURE

This series comes standard with clear acrylic construction with white acrylic rear wall (ETA Series), or all clear acrylic for increased visibility (ETC Series)

### EXHAUST OPTIONS

Many exhaust options and configurations are available for both single and dual HEPA models. See below for more information.

### FILTRATION

Bag-In/Bag-Out (BIBO) Dual 4" Pleated HEPA Filtration or Single HEPA filtration. Also, Carbon filtration for organics, amines, aldehydes, or acids is available in conjunction with the HEPA filtration. ULPA filtration is available upon request.

### ELECTRICAL OPTIONS

110V-120V 50-60HZ; 220V-240V 50-60HZ with Integrated Alarm and Separate Alarm

### BASE (TOP)

The base is dished for powder or liquid spills constructed of thick phenolic resin for durability.

## Reviews

There are yet no reviews for this product.