

## Flow Sciences Bulk Powder Weighing Enclosure

Provides effective and efficient containment for bulk powder applications and large drum loading / unloading. Three membrane safety system secures the drum into the inside of the enclosure to prevent loss of containment. Many exhaust/filter options available.

Rating: Not Rated Yet

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Manufacturer [Flow Sciences](#)

### Description

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## Description

The Bulk Powder series provides containment for large transfers of powder. FSI engineering controls are built in to prevent loss of containment. Third Party testing has proven containment on these units to below 1 µg/m<sup>3</sup> based on process and quantity.

Many exhaust/filter options available to meet your specific applications.

Top Mounted Containment Enclosures eliminates vibration both on the work surface and on the work bench. Through engineering controls and intuitive design, the vibration of the does not transfer to the work surface, allowing for accuracy in weighing and other sensitive applications.

### Bulk Powder Contained Vented Enclosures (CVEs) – Laminar Flow Hoods

Single HEPA Filter – Bag Out Series Flow Sciences' Single HEPA Series Contained Vented Enclosures are designed for maximum 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 and 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 µg/m<sup>3</sup> based on process and quality. 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.

Dual HEPA Filters – Bag In / Bag Out Series Flow Sciences' 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 µg/m<sup>3</sup> 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.

## Features

**DESIGN.** Designed similar to the top mount safety enclosures, 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 can be recirculated into the lab or sent directly to house exhaust.

**Phenolic base.** The chemically resistant phenolic base is dished to maintain spills and protects the work surface from harmful chemicals.

**DUAL HINGED FRONT DOORS.** Front doors allow for easy equipment loading and unloading.

**Acrylic Walls .** The clear acrylic walls are used for increased ambient light transmission

**ADJUSTABLE HEIGHT TABLE.** This enclosure has an optional adjustable height table for loading/unloading drums of various sizes. These tables also have improved ergonomics over fixed height tables.

**STANDARD SIZES.** The Bulk Powder series is available in 4, 5, 6, and 8 foot standard width options. Customs are available.

## Models

The most common exhaust option for pharmaceutical compounding is our fan / filter option. With a 4? pleated HEPA filter and fan, this enclosure is ideal for working with APIs and many more applications. The top mount fan has a 6? exhaust port that allows for circulation into lab or connection to house exhaust. FSI has a bag out filter procedure to replace this filter after it's 3-5 year life span.

## FAN / FILTER

MODEL	EXT. WIDTH	EXT. DEPTH	INT. HEIGHT	INT. DEPTH	TOT. HEIGHT	WEIGHT
ETA242424AAA	23.75" (60.3 cm)	24" (61 cm)	24" (61 cm)	20.5" (52.2 cm)	42.48" (107.8 cm)	109 lb (49 kg)
ETA362424AAA	35.75" (90.8 cm)	24" (61 cm)	24" (61 cm)	20.5" (52.2 cm)	44.51" (112.5 cm)	138 lb (63 kg)
ETA482424AAA	47.75" (121.3 cm)	24" (61 cm)	24" (61 cm)	20.5" (52.2 cm)	44.51" (112.5 cm)	173 lb (79 kg)
ETA243024AAA	23.75" (60.3 cm)	30" (76.2 cm)	24" (61 cm)	26.55" (67.4 cm)	42.56" (108.1 cm)	121 lb (55 kg)
ETA363024AAA	35.75" (90.8 cm)	30" (76.2 cm)	24" (61 cm)	26.55" (67.4 cm)	42.51" (108.1 cm)	152 lb (69 kg)
ETA483024AAA	47.75" (121.3 cm)	30" (76.2 cm)	24" (61 cm)	26.55" (67.4 cm)	44.51" (112.5 cm)	193 lb (88 kg)
ETA603027AAA	59.75" (151.8 cm)	30" (76.2 cm)	27" (68.6 cm)	26.55" (67.4 cm)	46.95" (119.2 cm)	274 lb (124 kg)
ETA723027AAA	71.75" (182.2 cm)	30" (76.2 cm)	27" (68.6 cm)	26.55" (67.4 cm)	46.95" (119.2 cm)	302 lb (137 kg)
ETA963027AAA	95.75" (243.2 cm)	30" (76.2 cm)	27" (68.6 cm)	26.55" (67.4 cm)	46.93" (119.2 cm)	382 lb (173 kg)

## Reviews

There are yet no reviews for this product.

