

# LABGARD<sup>ES</sup>

NU-813 CONTAINMENT VENTILATED ENCLOSURE

## Safely Handle Hazardous Powders

The **LabGard ES (Energy Saver) NU-813** is a Class I Biosafety Cabinet (BSC) also known as a Containment Ventilated Enclosure (CVE) that offers personnel protection through the use of an air barrier created at the front opening of the cabinet for the safe handling of non-sterile powders.

### Technology

**AeroMax Electronic Control System** - Model NU-813 features an eye-level control center that monitors and controls airflow through a digital pressure sensor to maintain airflow set-point by automatically compensating for filter loading and line voltage variances ensuring consistent performance.

### Safety

**Dynamic Air Barrier** - An air barrier at the open face of the cabinet is customizable from a range of 60 to 100 fpm (0.30 to 0.50 m/s) to meet your application and protection needs.

### Bag In Bag Out HEPA Filter(s)

Safely remove and replace the exhaust HEPA filter(s) by directly removing the filter(s) into a supplied bag over the filter access service area to minimize direct contact to the technician and environment.



### Productivity

**Waste Chute** - Add an optional waste chute to one or both side walls to attached a waste bag and save valuable work space.



**Exterior Shelf** - Add an optional outer shelf to one or both side walls for added storage space or an ideal location for a compact printer.

**Cord Pass Through** - Standard on both sidewalls, a gasketed pass through can be customized by you to correctly size the opening for items such as a power cord.



### Exhausting

**Redundant HEPA Filtration** - USP 800 compliant, exhaust directly back into the C-SEC (Containment secondary engineering control) through two exhaust HEPA filters.



VS

**Facility Exhaust System** Connect directly to a facility's exhaust system through an exhaust canopy and duct work.



### Construction

**Durable Design** - Model NU-813 is constructed of from high-quality steel and polycarbonate creating a reliable, robust cabinet. A rear wall plenum helps to maintain proper airflow while a top plenum collects powder residue when the cabinet is not in use.

**Black Epoxy Resin Work Surface** - Constructed of epoxy resin, the work surface is dished to capture and quickly clean liquid and powder spills. The black color work surface provides a high contrast to view powder spills.



## Quick Specifications

Model	Nominal Width	Electrical*	Exterior Dimensions (W x D x H)	Internal Dimensions (W x D x H)	Net Weight
NU-813-300	3 ft. (0.9 m)	115 VAC / 60 Hz E: 230 VAC / 50-60 Hz	36 x 29 x 54 in. (914 x 737 x 1372 mm)	34.375 x 24 x 28 in. (873 x 610 x 711 mm)	300 lbs. / 136 kg
NU-813-400	4 ft. (1.2 m)		48 x 29 x 54 in. (1219 x 737 x 1372 mm)	46.375 x 24 x 28 in. (1178 x 610 x 711 mm)	400 lbs. / 181 kg
NU-813-600	6 ft. (1.8 m)		72 x 29 x 54 in. (1829 x 737 x 1372 mm)	70.375 x 24 x 28 in. (1787 x 610 x 711 mm)	500 lbs. / 227 kg

\*Specify models with appropriate letter suffix for electrical specifications. "NU-813-300E" for 230 VAC / 50-60 Hz

## Features

### Performance

Dynamic Air Barrier, adjustable between 60 - 100 fpm (0.30 - 0.51 m/s)

Removable stainless steel airfoils for optimal containment

Routinely Tested and Validated to ANSI/ASHRAE110, Surrogate Powder, and Biological.

### Protection

HEPEX Zero Leak Airflow System

Bag-in Bag-out Exhaust Filter

ANSI/ASHRAE 110, Surrogate Powder, Biological Tested and Validated

### Motor

Ultra-High Efficiency EC Impeller Motor  
Attenuation Vibration Control

### Controls

AeroMax Electronic Control System w/ PressureFlow Monitor

### Filter

3-inch (76 mm) Metal Frame Separatorless HEPA Filter 99.99% efficient @ 0.3 μ

Permanent positive pressure plenum with quick release supply filter removal

Pre-filter System

### Ergonomics

ADA Compliant

Large User-friendly Work zone

Low noise ≤62 dba operation with Ambient Conditions of 53 dba

### Construction

8-inch (203 mm) Access Opening

Modeled, Dished, Black Epoxy Resin Work Surface

White Polycarbonate Backwall

Clear Polycarbonate Sidewalls and Viewing Window

## Design Your Own

### Nominal Width

3-foot (0.9 m)

4-foot (1.2 m)

6-foot (1.8 m)

### HEPA Filter

Single 3-inch (76 mm) Metal Frame Separatorless HEPA Filter 99.99% efficient @ 0.3 μ

Redundant (Quantity 2) 3-inch (76 mm) Metal Frame Separatorless HEPA Filter 99.99% efficient @ 0.3 μ

Purafil Filter

Charcoal Filter

### Lighting

Fluorescent [90 fc (968 lux)]

LED [90 fc (968 lux)]

### Exhaust Options

Exhaust Collar for Transition

Lay in Charcoal Filter Transition

### Options

Stainless Steel Work Surface Insert

Waste Chute (Side Wall)

Outlets

Service Valves

Seismic Brackets

### Accessories

Telescoping Base Stand (Casters, Leg Levelers, Storage) [30 - 36-inch (762 - 914 mm) height]

Adjustable Base Stand (Casters, Leg Levelers) [30 - 36-inch (762 - 914 mm) height]

Exhaust Deflector

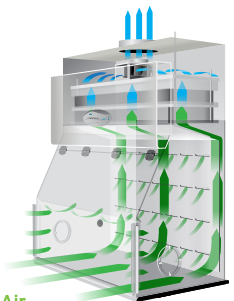
Shelf, Side Mount Stainless Steel

Canopy Exhaust Transition

Low Airflow Monitor

Adjustable Footrest

Stainless Steel Turntable



➔ HEPA Filtered Air

➔ Contaminated Room Air



## Popular Accessories/Built-in Options



Exterior Ultra High Efficiency LED Lighting



Redundant Exhaust HEPA Filters (Quantity 2)



Side Wall Waste Chute (Left and/or Right)

## Your Local NuAire Partner

