



LABGARD^{ES}

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

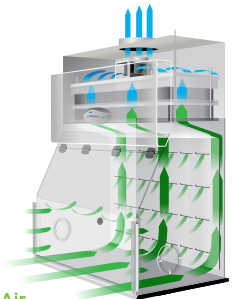
Shelf, Side Mount Stainless Steel

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

