

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.

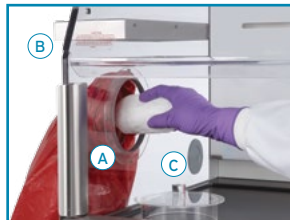
Bag In Bag Out HEPA Filter(s)

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 (A) - Add an optional waste chute to one or both side walls to attached a waste bag and save valuable work space.



Exterior Shelf (B) - 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 (C) - 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.



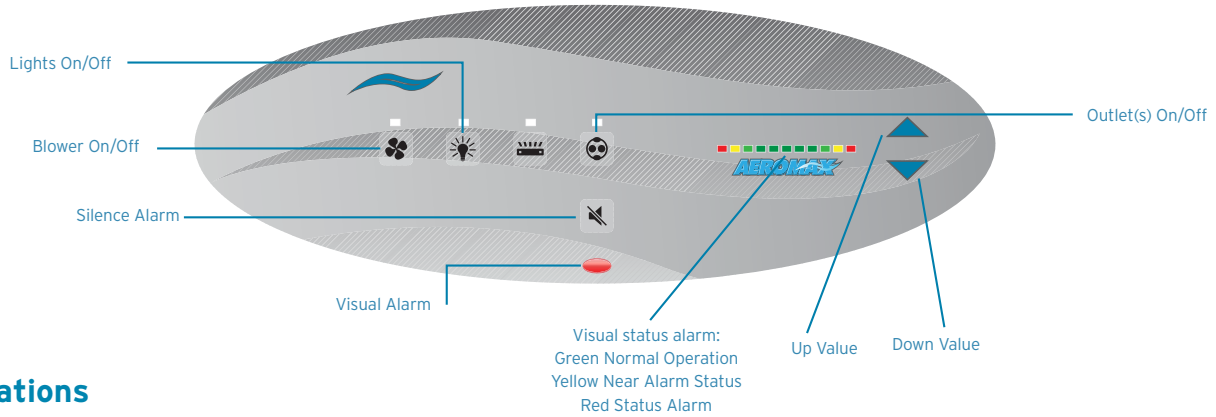
Construction

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.

AeroMax™ Electronic Control System

AeroMax Electronic Control System (ECS) monitors and displays airflow system performance via Pressure Flow™ - A specialized digital pressure transducer.



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	36.125 x 28.5 x 54 in (916 x 724 x 1372 mm)	70.375 x 24.5 x 28 in. (873 x 623 x 711 mm)	300 lbs. / 136 kg
NU-813-400	4 ft. (1.2 m)		48.125 x 28.5 x 54 in (1221 x 724 x 1372 mm)	46.375 x 24.5 x 28 in. (1178 x 623 x 711 mm)	400 lbs. / 181 kg
NU-813-600	6 ft. (1.8 m)		72.125 x 28.5 x 54 in (1889 x 724 x 1372 mm)	70.375 x 24.5 x 28 in. (1787 x 623 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

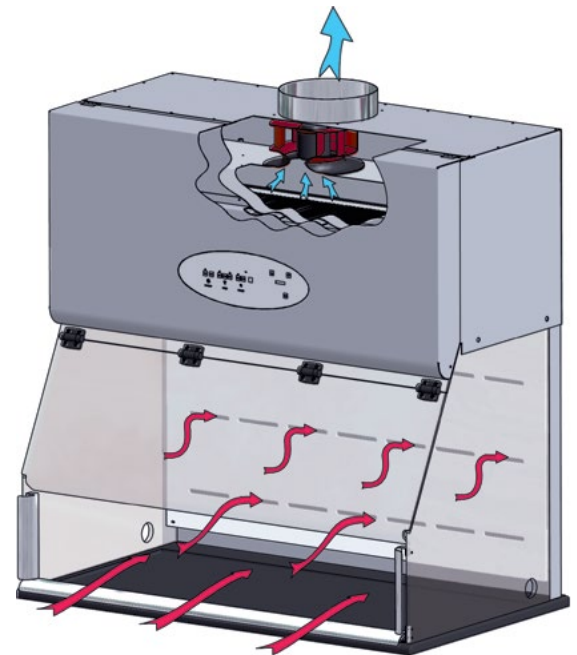
Features

Standard Features

- AeroMax™ Electronic Control System
- Ultra High Efficiency Impeller
- Adjustable Speed Control [60 to 100 fpm (0.30 to 0.50 m/s) Inflow Velocity]
- Exhaust HEPA filter 99.99% @0.3 Micron Efficient
- External Filter Release
- 10-inch (254 mm) Exhaust Collar
- Bag In Bag Out HEPA Filter
- Fluorescent Lighting
- Hinged Control Box
- 0.5-inch (13 mm) Thick Polycarbonate Sidewalls
- 0.25-inch (7 mm) Thick White Polycarbonate Rear Divider Panel
- 0.25-inch (7 mm) Thick Polycarbonate Hinged View Screen
- Window Open Alarm
- 8-inch (203 mm) Access Opening
- Stainless Steel Airfoils
- Gasketed Access Port (Qty 2) (1 EA Sidewall)
- Dished Black Epoxy Resin Work surface

Optional Features

- Redundant Exhaust HEPA filters 99.99% @ 0.3 Micron Efficient
- LED Lighting
- Lay-in Charcoal Filter
- Purafil Filter
- Charcoal Filter
- Duplex Outlet(s) (Left and/or Right Sidewall)
- GFI Duplex Outlet(s) (Left and/or Right Sidewall)
- Service Valve(s) (Left and/or Right Sidewall)
- Seismic Brackets
- Stainless Steel Work surface Insert
- Waste Chute (Left and/or Right Sidewall)
- Canopy Exhaust Transition
- Exhaust Deflector
- Exterior Side Mount Stainless Steel Shelf
- Low Airflow Monitor
- Telescoping Base Stand
- Automatic Adjustable Base Stand



- Contaminated Environment Air
- HEPA Filtered Air

