

# ANIMAL LABORATORY

The Safer Choice for Your Vivarium



## Quality and Dependability for the Future

Animal Transfer Stations, Animal Bedding Disposal Cabinets, Animal Containment Enclosures, Laminar Airflow Workstations, and Class II Biosafety Cabinets are some of the many unique, highly dependable, effective, and efficient NuAire products for use in animal facilities. In every NuAire product you'll find brilliant and practical design, impeccable attention to detail in every phase of fabrication and assembly, outstanding value, and dependable service. This is the foundation for NuAire's international reputation, and the reason NuAire is universally recognized as the finest.

### Containment Animal Transfer Stations

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NU-620



NU-S620 Innovive Edition

### Animal Handling Procedural and Cage Changing Biosafety Cabinets

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NU-602



NU-677

**Room-to-Room Pass-Through Biosafety Cabinet**



NU-610

**Animal Bedding Disposal Containment Cabinet**



NU-607

**Class II Biosafety Cabinet Procedural**

Type A2 (70% Recirculated / 30% Exhausted)



NU-540



NU-543



NU-545

Type B1 (30% Recirculated / 70% Exhausted)

Type B2 (0% Recirculated / 100% Exhausted)



NU-427



NU-560



NU-565

## Ergonomic Design



Ergonomic features that improve productivity while offering personnel exceptional comfort and convenience through many unique design features:

- Cage Deep Wells lower the height of stacked cages making them more accessible to technicians.
- Electric auto-lift to adjust work surface height [12" (305 mm) range] at the touch of a button.
- Large 14" [356 mm] access opening height on all sides of the workstation.
- Zero heat build up in the work area. Over 25 air changes per minute in the work area.
- Proper cool white lighting from the top of the workstation improves visibility creating less eye strain.
- Easy-to-clean stainless steel plenum with waste disposal chute.



A Large 14" (356 mm) Access Opening makes it easy to add and remove the largest cages while providing your arms an extended range of motion.



A Spacious Work Zone offers more room to work with cages and allows for the additional placement of work flow items such as feed, water bottles, and more.



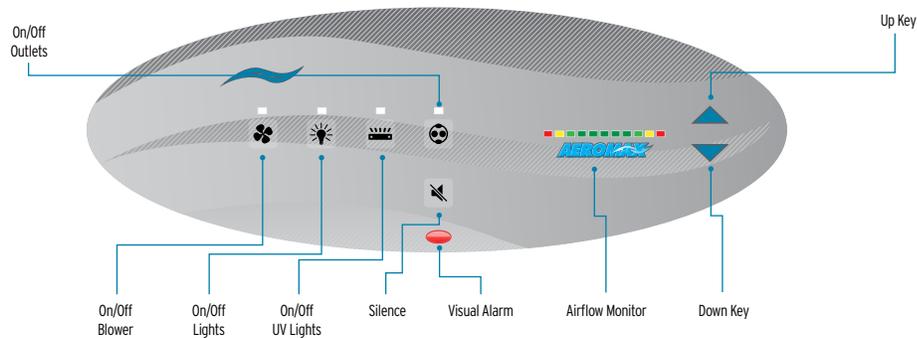
A large 12 inch (305 mm) slanted view screen provides an unrestricted view of the work zone allowing the technician to adequately and safely do their job.



Model NU-620 provides the ability to Sit or Stand at a Range of Heights through an automatic lift system offering 12-inches (305 mm) adjustable height.

## AeroMax Electronic Control System

The **AeroMax Electronic Control System** is a user-friendly control system that monitors and displays airflow performance via PressureFlow™ - a specialized digital pressure transducer. If there is either a high airflow or low airflow in the work zone, the system notifies lab workers with both visual and audio alarms. The user interface is operated through LEDs and function keys that can perform a range of useful functions including controlling the blowers, lights, outlets, and the blower DC ECm motor.



The **AllerGard Animal Transfer Station model NU-620** provides ISO Class 4 sterility and protection for research animals.

The **AllerGard 620** is offered in 3 sizes and 2 distinct configurations. As a singled sided unit the NU-620 protects personnel by containing allergens shed by animals and bedding materials through an air barrier of 75 fpm (0.38 m/s) at the front of the cabinet and offers animal protection through uniform down flow air at 60 fpm (0.30 m/s) minimizing cross contamination. As a dual sided cabinet the NU-620 maximizes usable space allowing access to the work zone from either side of the cabinet.



**NU-620-400**  
Double-Sided Unit



**NU-620-401**  
Single-Sided Unit

### Dual Access Configuration

As a dual sided cabinet the AllerGard NU-620-x00 highlights ergonomic and work flow features designed into the cabinet. The mobile design allows multiple technicians to use the cabinet at the same time, or allows for easy access when moving the cabinet through cage aisles.

### Single Access Configuration

The rear of the cabinet is enclosed using a clear polycarbonate wall. **[A]** Side windows are lowered to maximize containment and product protection. **[B]** The work surface features perforated vacuum slots around the outer edges and back of the unit increases the airflow volume through the front work access opening. The work surface design along with a powerful exhaust motor allows 75 fpm (0.38 m/s) to move through the front access for improved product protection. Uniform down flow air flushes the work area and 60 fpm (0.30 m/s) and is pulled through the vacuum slots minimizing contamination maintaining animal sterility.

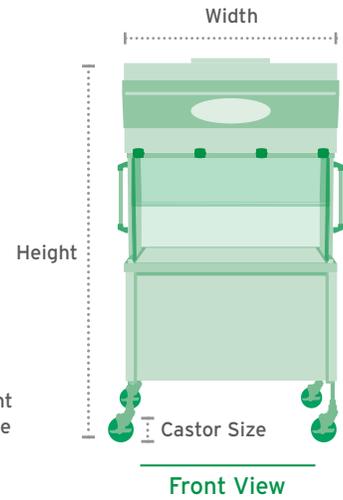
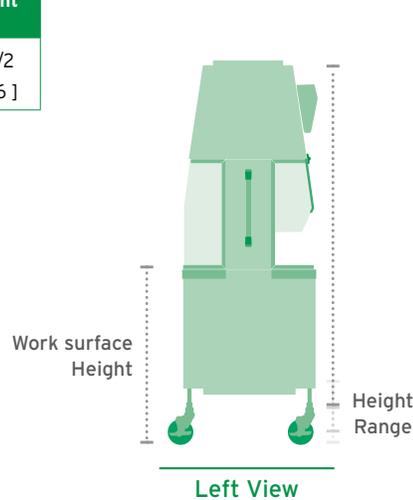
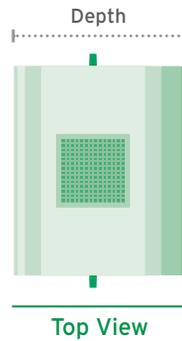
## Specifications

Model	Width Size (nominal)	Electrical* (all sizes)	Configuration	Work Surface (W x D) in [mm]	Exterior Dimensions** (W x D) in [mm]	Net Weight
NU-620-300	3.5 ft [ 1.1 m ]	115 VAC / 60 Hz E: 230 VAC / 50 / 60 Hz	Dual Sided	36 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 930 x 718 ]	42 x 30 <sup>5</sup> / <sub>8</sub> [ 1067 x 762 ]	430 lbs [ 195 kg ]
NU-620-400	4 ft [ 1.2 m ]		Dual Sided	42 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 1083 x 718 ]	48 x 30 <sup>5</sup> / <sub>8</sub> [ 1219 x 762 ]	460 lbs [ 209 kg ]
NU-620-500	5 ft [ 1.5 m ]		Dual Sided	54 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 1387 x 718 ]	60 x 30 <sup>5</sup> / <sub>8</sub> [ 1524 x 762 ]	530 lbs [ 240 kg ]
NU-620-301	3.5 ft [ 1.1 m ]		Single Side	36 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 930 x 718 ]	42 x 30 <sup>5</sup> / <sub>8</sub> [ 1067 x 762 ]	430 lbs [ 195 kg ]
NU-620-401	4 ft [ 1.2 m ]		Single Side	42 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 1083 x 718 ]	48 x 30 <sup>5</sup> / <sub>8</sub> [ 1219 x 762 ]	460 lbs [ 209 kg ]
NU-620-501	5 ft [ 1.5 m ]		Single Side	54 <sup>5</sup> / <sub>8</sub> x 28 <sup>1</sup> / <sub>4</sub> [ 1387 x 718 ]	60 x 30 <sup>5</sup> / <sub>8</sub> [ 1524 x 762 ]	530 lbs [ 240 kg ]

\* Specify model with appropriate letter suffix for electrical specification. "NU-620-300E" for 230 VAC / 50 Hz. \*\* Add 5" (127 mm) overall for push/pull bars.

## Height (All Models)

Castor Size in [mm]	Height Range in [mm]	Work Surface (H) in [mm]	Station Height (H) in [mm]
4 [ 102 ]	12 [ 305 ]	35 1/2 - 47 1/2 [ 902 - 1207 ]	80 1/2 - 92 1/2 [ 2045 - 2426 ]



## Performance Specifications

### NU-620-xx0 (Dual Sided)

25 fpm (0.13 m/s) Inflow  
60 fpm (0.30 m/s) Down Flow

### NU-620-xx1 (Single Sided)

75 fpm (0.38 m/s) Inflow  
60 fpm (0.30 m/s) Down Flow

## Standard Features

- AeroMax Electronic Control System
- Ultra High Efficiency DC/ECM Motor
- Ultra High Efficiency EC Impeller
- Attenuation Vibration Control System
- 76 mm (3") Metal Frame Supply HEPA Filter 99.99% @ 0.3 microns
- 76 mm (3") Metal Frame Exhaust HEPA Filter 99.99% @ 0.3 microns
- Washable/reusable exhaust pre-filter
- Washable/reusable supply pre-filter
- Metal Diffuser Over Supply Filter
- 14" (356 mm) Hinged Window Sash Access Opening\*\*
- LED Lighting
- Light Timer

- 4" (102 mm) Castors w/ Brakes
- Two (2) Push/Pull Bars
- Removable Prop Up Work Tray
- Spill Trough with Waste Chute
- One (1) Duplex Outlet Right Side Wall
- 25 ft [7.6 m] Cord Reel

## Optional Features & Accessories

- Disposable exhaust pre-filter
- Disposable supply pre-filter
- Feed Hopper (Left, Right, Dual)
- Magnifying Glass Window
- Stainless Steel Folding Shelf
- Hand Sanitizer
- Duplex Outlets
- GFI Duplex Outlets
- Adjustable Footrest

## Custom Solutions

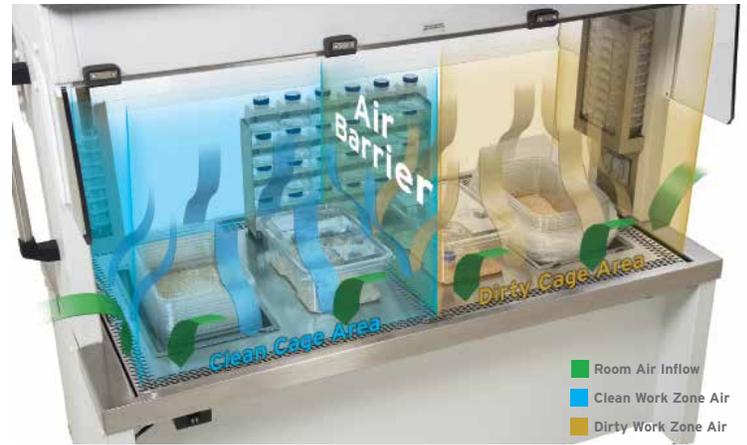
- Edstrom Watering Systems
- Red Light

**inno  
vive** INNOVIVE<sup>®</sup> EDITION  
 Animal Transfer Station

The Allergard NU-S620 Innovive Edition Animal Transfer Station offers ISO Class 4 sterility and protection for your valuable research animals, minimizing the technicians exposure to allergens and dander, while maximizing the workflow for use with Innovive disposable IVC mouse and rat cage systems. The Allergard NU-S620 Innovive Edition allows technicians to prepare the work zone with the Innovive disposable IVC caging system before procedural work to maximize workflow. This method allows for the ability to open, prepare, and maintain 25 irradiated INNOCAGE<sup>®</sup> mouse or rat under ISO Class 4 conditions to maintain sterility.



**The Innovive Workflow**



**Specifically Designed For:**



Innovive Disposal IVC Caging for mice and rats are lightweight and ergonomic, designed for maximum efficiency. A stack of 25 cage bottoms stands 13" [330 mm] tall (17" for rats [432 mm]) and fits neatly into the deep wells of the Allergard NU-S620. Pre-bedded INNOCAGE<sup>®</sup> bottoms and pre-filled AQUAVIVE<sup>®</sup> bottles are also available. For more information about Innovive, please visit [www.disposablecages.com](http://www.disposablecages.com) or call 866 43 CAGES



INNOCAGE<sup>®</sup>



AQUAVIVE<sup>®</sup> MOUSE

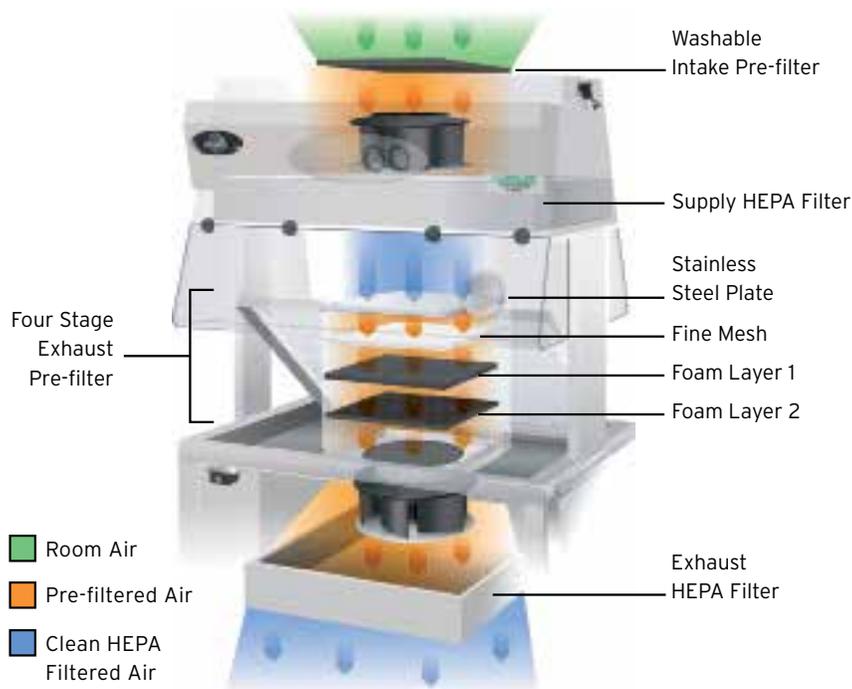


INNOCAGE<sup>®</sup> RAT



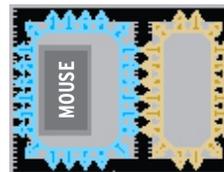
AQUAVIVE<sup>®</sup> RAT

## Push - Pull Airflow System

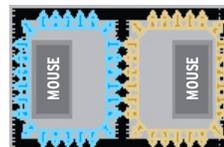


## Work Surface Configuration

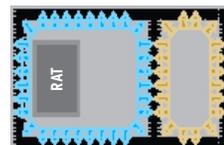
### NU-S620-400M



### NU-S620-500M



### NU-S620-500R



## Specifications

Model	Configuration	Width Size (nominal)	Electrical* (all sizes)	Work Surface (W x D) in [mm]	Exterior Dimensions** (W x D) in [mm]	Net Weight
NU-S620-400M	Mouse	4 ft [ 1.2 m ]	115 VAC / 60 Hz	42 5/8 x 28 1/4 [ 1083 x 718 ]	48 x 30 [ 1219 x 762 ]	475 lbs [ 215 kg ]
NU-S620-500M NU-S620-500R	Mouse Rat	5 ft [ 1.5 m ]	E: 230 VAC / 50 / 60 Hz	54 5/8 x 28 1/4 [ 1387 x 718 ]	60 x 30 [ 1524 x 762 ]	548 lbs [ 248 kg ]

\* Specify model with appropriate letter suffix for electrical specifications. "NU-S620-400M" for 230 VAC / 50 Hz \*\* Add 5" (127 mm) overall for push/pull bars

### Standard Features

- Energy Saver DC Motors
- Microprocessor Controls
- Aermax Electronic Control System
- Electronic Auto-lift
- True Laminar Airflow
- Push Pull Airflow Design
- Washable / Reusable Pre-filter system
- Easy Access Filter Panels
- 14" (356 mm) Window Access Opening Height (Two Sides)
- Stainless Steel Prop-up Work Surface
- Animal Waste Chute
- Heavy Duty Plate Castors with Brakes (4)
- Accessory Outlet
- LED Lighting

- Hinged Scratch Resistant Windows (2)
- Fixed Scratch Resistant Side Windows (2)
- AQUAVIVE® Mouse Water Bottle Holder
- AQUAVIVE® Rat Water Bottle Holder
- Stainless Steel Folding Shelf (Left or Right)
- Stainless Steel Cage Holding Disposal Box
- Stainless Steel Folding Shelf (Left or Right)

### Optional Features

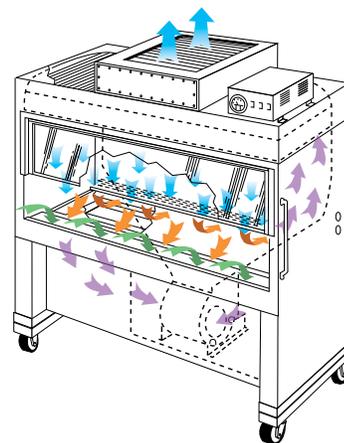
- Cage Top Holding Rack
- Stainless Steel Feed Hopper Left, Right, or Dual Chute
- One Sided Enclosure
- Shelf Option for User Standing
- Light Timer
- Magnifying Glass
- Free Standing Cage Top Holder
- Disposable Pre-filters
- Custom Solutions (Watering Systems, Unit Depths/ Widths, Additional Outlets, Etc.)



The LabGuard® ES (Energy Saver) NU-602 Class II, Type A2 Animal Handling Biosafety Cabinet is intended to be used for safe animal and cage handling in the laboratory. The cabinet is designed for maximum control over product quality and to offer protection to people working in the lab. The NU-602 was also created with ergonomics and ease-of-use in mind, so it is easy and convenient for lab technicians to use.

**Performance Features:**

- 30% exhausted / 70% recirculated
- Dynamic air barrier of 105 fpm (0.53 m/s) inflow separating laboratory from work zone environment
- True Laminar Unidirectional Down-flow air of 75 fpm (0.30 m/s) for minimal cross contamination
- 250% Filter Load Capacity (±10 Year Average depending on laboratory environment)



**Specifications**

Model	Width Size (nominal)	Electrical* (all sizes)	Interior Dimensions (W x D x H) [mm]	Exterior Dimensions (W x D x H) [mm]	Net Weight
NU-602-400	4 ft [1.2 m]	115V / 60 Hz E: 230V / 50-60Hz	46 1/2 x 24 1/2 x 26 1/2 [1232 x 622 x 673]	50 1/2 x 31 3/4 x 77 [1283 x 806 x 1956]	780 lbs [370 kg]
NU-602-500	5 ft [1.5 m]		58 1/2 x 24 1/2 x 26 1/2 [1486 x 622 x 673]	62 1/2 x 31 3/4 x 77 [1956 x 806 x 1956]	880 lbs [415 kg]
NU-602-600	6 ft [1.8 m]		70 1/2 x 24 1/2 x 26 1/2 [1791 x 622 x 673]	74 1/2 x 31 3/4 x 77 [1588 x 806 x 1956]	980 lbs [460 kg]

\*Specify model with appropriate letter suffix for electrical specifications. "NU-602-400E" for 230 VAC / 50 - 60 Hz

**Configuration Options:**



Sterile Cage Delivery System



Dirty Cage Collection System



Waste Collection System

**Standard Features**

- HEPEX Zero Leak Airflow System
- Locking Swivel Casters (Low Profile, Stainless Steel)
- Electric Auto-lift
- Stainless Steel Interior
- Removable Work Tray
- Liquid Drain Valve

- Fluorescent Lighting
- 12" Access Opening (305 mm) 105 LFPM Air Barrier (0.53 m/s)
- Tempered Glass View Screen
- Pre-Filter System
- Magnehelic Gauge
- Essentials Control System

**Optional Features & Accessories**

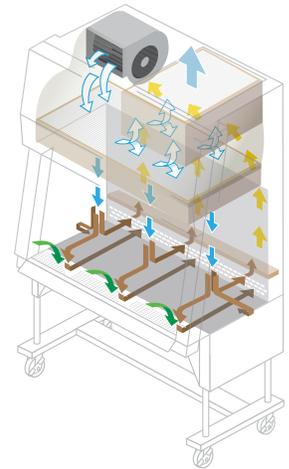
- Ultraviolet Light
- Decorative Front Panel
- Ground Fault Interrupter
- Service Valves
- Three Optional Configurations
- Custom Solutions



The NuAire LabGard ES (Energy Saver) model NU-677 Class II Type A2 Biosafety Cabinet / Cage Changing Station is NSF listed to provide personnel, product, and environmental protection for sensitive animal handling and cage changing procedures. LabGard Class II Biosafety Cabinets can be either exhausted back into the room or connected to a facility HVAC system. 30% of the cabinet's airflow is exhausted and 70% is recirculated, minimizing cross-contamination of low to moderate risk biologicals in the absence of volatile toxic chemicals.

**Performance Features:**

- 30% exhausted / 70% recirculated
- Dynamic air barrier of 105 fpm (0.53 m/s) inflow separating laboratory from work zone environment
- True Laminar Unidirectional Down-flow air of 60 fpm (0.30 m/s) for minimal cross contamination
- 250% Filter Load Capacity (±10 Year Average depending on laboratory environment)



**Specifications**

Model	Width Size (nominal)	Electrical* (all sizes)	Interior Dimensions (W x D x H) [mm]	Exterior Dimensions (W x D x H) [mm]	Net Weight
NU-677-400	4 ft [1.2 m]	115V / 60 Hz E: 230V / 50-60Hz	46 3/8 x 25 x 28 [1178 x 635 x 711]	53 5/8 x 32 3/4 x 79 [1362 x 832 x 2007]	750 lbs [340 kg]
NU-677-500	5 ft [1.5 m]		58 3/8 x 25 x 28 [1483 x 635 x 711]	65 5/8 x 32 3/4 x 79 [1667 x 832 x 2007]	815 lbs [369 kg]
NU-677-600	6 ft [1.8 m]		70 3/8 x 25 x 28 [1788 x 635 x 711]	77 5/8 x 32 3/4 x 79 [1972 x 832 x 2007]	880 lbs [398 kg]

\*Specify model with appropriate letter suffix for electrical specifications. "NU-677-400E" for 230 VAC / 50 - 60 Hz

**Standard Features**

- Aeromax Control System
- 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Energy Saver (ES) DC/ECM Motor
- Intelliflow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- NiteCare Night Setback
- HEPEX Zero Leak Airflow System
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- 12-inch (305mm) Exhaust HEPA Filter 99.99% @ 0.3 Micron Efficiency Rating
- Back-wall removable/reusable prefilter
- Exterior LED Lighting

- 12-inch (254mm) Access Opening (NSF/ANSI 49)
- Frameless Sliding Tempered Glass View Screen
- Heavy Duty, Ergonomic Plastic Armrest
- Removable Work Tray
- Work Surface Support System
- Spill Through Drain Valve
- Two (2) Duplex Outlets Back Wall (3 Amp Max)
- 12 ft [2.5m] Power Cord
- 20-inch (508 mm) Automatic Adjustable Integral Base Stand
- Backwall Pre-filter

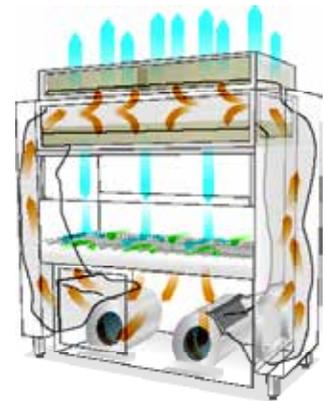
**Optional Features & Accessories**

- Ultraviolet Light
- Ground Fault Interrupter for Electrical System
- Outlet Options:
  - Two (2) GFI Duplex Outlets Back Wall (3 Amp Max)
  - Two (2) GFI Duplex Outlets Back Wall (5 Amp Max)
  - Two (2) Duplex Outlets Back Wall with Dedicated Power Cord (15 Amp Max)
  - Two (2) GFI Duplex Outlets Back Wall with Dedicated Power Cord (15 Amp Max)
  - Two (2) Duplex Outlets Back Wall with Dedicated Power Cord (20 Amp Max)
  - Two (2) GFI Duplex Outlets Back Wall with Dedicated Power Cord (20 Amp Max)
- Service Valves for Gas, Air, Vacuum
- Storage Pull-Out Trays
- Lay in Sorbent Exhaust Filter
- Decorative Side Panels (hides plumbing fixture connections)
- Stainless Steel Armrest
- Exhaust Transition Canopy
- Feed Hoppers
- Plumbing Options:
  - Soft Copper
  - Black Pipe
  - Rigid Copper
- Stainless Steel Window Edge Protector
- Window Magnifying Glass (Right)
- NSF Approved Cord Pass Through (Right and/or Left Sidewall)





The LabGard® ES (Energy Saver) NU-610 Class II, Type A2 Dual Access Laminar Airflow Biosafety Cabinet is a dual access animal handling biosafety cabinet, which is intended to be used for the safe handling of animals in the laboratory. The NU-610 model is built into the wall, which makes it easy to bring new animals into a facility or move them between different rooms. It is designed with features intended to keep both lab personnel and animals protected during lab work and transfers.



HEPEX™ Zero Leak Airflow System  
 ■ Room Air ■ Contaminated Air ■ Clean HEPA Filtered Air

**Specifications**

Model	Width Size (nominal)	Electrical* (all sizes)	Interior Dimensions (W x D x H) [mm]	Exterior Dimensions (W x D x H) [mm]
NU-610-400	4 ft [1.2 m]	115V / 60 Hz E: 230V / 50-60Hz	44 x 28 1/4 x 25 [1118 x 718 x 635]	59 x 32 5/8 x 83 [1499 x 829 x 2108]
NU-610-500	5 ft [1.5 m]		52 x 28 1/4 x 25 [1321 x 718 x 635]	67 x 32 5/8 x 83 [1702 x 829 x 2108]
NU-610-600	6 ft [1.8 m]		64 x 28 1/4 x 25 [1626 x 718 x 635]	79 x 32 5/8 x 83 [2007 x 829 x 2108]

\*Specify model with appropriate letter suffix for electrical specifications. "NU-610-400E" for 230 VAC / 50 - 60 Hz

**Standard Features**

- ESSENTIALS Control System
- Monitor 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Ultra High Efficiency DC/ECM Motor
- Intelliflow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- HEPEX Zero Leak Airflow System
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- 12-inch (305mm) Exhaust HEPA Filter 99.99% @ 0.3 Micron Efficiency Rating
- Back-wall removable/reusable prefilter

- Fluorescent Lighting
- 12-inch (254mm) Access Opening (NSF/ANSI 49)
- Heavy Duty, Ergonomic Plastic Armrest
- Removable Work Tray
- Two (2) Duplex Outlets Back Wall (3 Amp Max)
- 12 ft [2.5m] Power Cord
- Backwall Pre-filter
- Spill Through Drain Valve

**Optional Features & Accessories**

- Ultraviolet Light
- Ground Fault Interrupter for Electrical System
- Service Valves for Gas, Air, Vacuum
- Additional Outlet
- IV Bar with 6 Stainless Steel Hooks
- Alarm Systems
- Exhaust Interlocks
- Exhaust Transitions



The **AllerGard NU-607 Class I Animal Bedding Disposal and Containment Cabinet** offers the Animal Research Professional the opportunity to work with the first cabinet of its kind. The NU-607 minimizes the risk of exposure to allergens and animal infections for a technician handling low to moderate risk material. Cleaning cages and handling infested bedding is an unpleasant task at best, but the AllerGard 607 makes it easier, safer and more efficient.

**Portably Convenient**

- Rugged casters with locking brakes make the NU-607 portable, yet secure
- Cabinet fits through standard doorways.
- Push-pull bars on each side of the cabinet make it easy to maneuver and lock into place.
- Heavy-duty 22 gallon (83 liter) waste receptacle has its own platform with casters to aid movement with the cabinet when receptacle is full.

**Specifications**

Model	Width Size (nominal)	Electrical* (all sizes)	Interior Dimensions (W x D x H) [mm]	Exterior Dimensions (W x D x H) [mm]	Net Weight
NU-607-400	4 ft [1.2 m]	115V / 60 Hz E: 230V / 50-60Hz	43 1/4 x 27 1/2 x 24 [1099 x 699 x 610]	50 x 29 x 79 [1270 x 737 x 2007]	500 lbs [227 kg]

\*Specify model with appropriate letter suffix for electrical specifications. "NU-607-400E" for 230 VAC / 50 - 60 Hz

**Work Surface Configuration Options:**



**Circular Surface with Bang Bar**



**Square Full Work Surface**



**Double Square with Two Waste Receptacles**

**Standard Features**

- Baked White Urethane Exterior Filter Module
- Fluorescent Light (Outside Work Zone)
- Enclosed All Stainless Base Cabinet
- Activated Sorbent Filter (Odor Removal)
- HEPA Filter Exhaust, 99.99% on 0.3 micron
- 100 FPM Air Barrier - 16" (356 mm) access opening
- Airflow (Alarm) Monitor
- Stainless Steel Work Surface
- Top Access Bag Installation

- Large Castered Waste Receptacle
- Castered Base Cabinet (With Doors)
- Front Filter Removal
- Small Animal Bedding Disposal Chute
- Pre-filter
- Hinged Viewing Window
- Clear 1/2" (13 mm) Acrylic Side Panels
- Automatic Triac for line Voltage Stability
- Instrument Panel at Eye Level
- Bang Bar

**Optional Features & Accessories**

- Spare Disposal Bags
- Double Square Chute Design
- Spare Disposal Can
- Large Animal Single Square Chute
- Replacement Filters

## Class II Biosafety Cabinet Procedural



**LabGard NU-540 Class II, Type A2**

The LabGard ES (Energy Saver) NU-540 is an NSF/ANSI 49 listed Class II, Type A2 Biosafety Cabinet providing personnel, product, and environmental protection. Model NU-540 is constructed as a tabletop BSC with optional base stand. Available in 4 widths and configurable with a variety of built-in options and accessories that meet any application in the laboratory or pharmacy.

### Standard Features:

#### **AeroMax Electronic Control System**

- Ultra High Efficiency DC/ECM Motor
- Attenuant Vibration Control System
- Internal Exhaust Damper
- Monolithic Pressure Tight Design (Silicone Free)
- Permanent Plenum with Quick Release Supply Filter
- 3" (76 mm) Metal Frame Supply HEPA Filter 99.99% @ 0.3 microns

#### **6" (152 mm) Metal Frame Exhaust HEPA Filter 99.99% @ 0.3 microns**

- Metal Diffuser Over Supply Filter
- 10" (254 mm) Window Sash Access Opening
- Frame-less Sliding Tempered Glass View Window
- External Fluorescent Lighting
- Front Filter Removal
- Ergonomic Plastic Armrest
- Removable Work Tray Support System
- Removable Work Tray
- Removable Airflow Grill
- Spill Through with Drain Valve
- Two (2) Duplex Outlets Back Wall (3 Amp Max)
- One (1) Service Valve Right Side Wall
- One (1) Service Coupling Right Side Wall
- Two (2) Service Couplings Left Side Wall
- 12 ft [2.5 m] Power Cord



**LabGard NU-543 Class II, Type A2**

The LabGard AIR NU-543 is a Class II, Type A2 Biosafety Cabinet (BSC) available in 4 widths providing personnel, product and environmental protection for applications such as cell culture research and pharmacy compounding. Model NU-543 features the same technology service personnel use to certify your BSC, an airflow sensor to monitor and control airflow.

### Standard Features:

#### **FlowGard Electronic Control System**

- IntelliFlow Airflow Control System
- Energy Saver (ES) DC/ECM Motor
- Motor Speed Control
- Internal Exhaust Dampener
- Monolithic Pressure Tight Design (Silicone Free)
- HEPEX Zero Leak Airflow
- Front Filter Removal
- Permanent Plenum with Quick Release Supply Filter
- 3" (76 mm) Metal Frame Supply HEPA Filter 99.99% @ 0.3 Microns (NSF/ANSI 49)

#### **12" (305 mm) Metal Frame Exhaust HEPA Filter 99.99% @ 0.3 Microns (NSF/ANSI 49)**

- 3" (76 mm) Metal Frame Supply HEPA (H14) Filter 99.995% MPPS (E Model)

#### **12" (305 mm) Metal Frame Exhaust HEPA (H14) Filter 99.995% MPPS (E Model)**

- 10" [254 mm] Access Opening (NSF/ANSI 49, EN12469)
- Frame-less Sliding Tempered Glass View Screen
- External Fluorescent Lighting
- Ergonomic Plastic Armrest
- Removable Work Tray
- Work Surface Support System
- Metal Diffuser Over Supply Filter
- Spill Trough with Drain Valve
- Two (2) Duplex Outlets Back Wall (3 Amp Max)
- One (1) Service Valve Right Side Wall
- One (1) Service Coupling Right Side Wall
- Two (2) Service Couplings Left Side Wall
- 12 ft [2.5 m] Power Cord



**LabGard NU-545 Class II, Type A2**

The LabGard® ES (Energy Saver) AIR Limited Model NU-545 Biosafety Cabinet (BSC) is a primary engineering control in obtaining the optimum product quality while reducing the potential for exposure of both product and personnel to airborne biological or particulate chemical agents in low to moderate risk-hazard research and drug preparation or product operations

### Standard Features:

#### **Touchlink2 Electronic Control System**

- 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Ultra-high Efficiency Motor
- IntelliFlow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- NiteCare Night Setback
- HEPEX Zero Leak Airflow System
- Front Filter Removal
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating (NSF/ ANSI 49)
- 12-inch (305mm) Exhaust HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating (NSF/ ANSI 49)**
- 3-inch (76mm) Supply H14 HEPA Filter 99.995 MPPS (EN12469)
- 12-inch (305mm) Exhaust H14 HEPA Filter 99.995 MPPS (EN12469)**
- Attenuant Vibration Control
- LED Lighting**
- 10-inch (254mm) Access Opening (NSF/ANSI 49)
- Frameless Sliding Tempered Glass View Screen
- Gasketed Window Frame
- Heavy Duty, Ergonomic Plastic Armrest
- Removable Work Tray
- Work Surface Support System
- Spill Through Drain Valve
- Two (2) Duplex Outlets Back Wall (3 Amp Max)
- One (1) Service Valve Right Side Wall
- One (1) Service Coupling Right Side Wall
- Two (2) Service Couplings Left Side Wall
- 12ft. Power Cord



### LabGard NU-427 Class II, Type B1

The LabGard® ES (Energy Saver) NU-427 Biosafety Cabinet (BSC) may be used for work with minute quantities of volatile chemicals and tracer amounts of radionuclides if it does not interfere with the work in the re-circulated downflow. Model NU-427 is available in 2 widths.

#### Standard Features:

- Touchlink2 Electronic Control System
- 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Ultra-high Efficiency Motor
- Intelliflow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- NiteCare Night Setback
- HEPEX Zero Leak Airflow System
- Front Filter Removal
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- 12-inch (305mm) Exhaust HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- Attenuation Vibration Control
- Exterior LED Lighting
- 10-inch (254mm) Access Opening (NSF/ANSI 49)
- Frameless Sliding Tempered Glass View Screen
- Gasketed Window Frame
- Heavy Duty, Ergonomic Plastic Armrest
- Removable Work Tray
- Work Surface Support System
- Spill Through Drain Valve
- Two Duplex Outlet Back-wall
- One Service Valve Right Side Wall
- One Service Coupling Right Side Wall
- Two Service Couplings Left Side Wall
- Power Cord



### LabGard NU-560 Class II, Type B2

NU-560 Total Exhaust Biosafety Cabinet (BSC) may be used for work with non-flammable, non-explosive volatile chemicals and radionuclides by providing personnel, product, and environmental protection by exhausting 100% of contaminated air. This model offers economical operation through the use of an ultra-high efficiency motor to maximize filter life and monolithic silicone-free construction for long product life.

#### Standard Features:

- Touchlink2 Electronic Control System
- 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Ultra-high Efficiency Motor
- Intelliflow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- NiteCare Night Setback
- HEPEX Zero Leak Airflow System
- Front Filter Removal
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- 12-inch (305mm) Exhaust HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- Attenuation Vibration Control
- Exterior LED Lighting
- 8-inch (254mm) Access Opening (NSF/ANSI 49)
- Frameless Sliding Tempered Glass View Screen
- Heavy Duty, Ergonomic Plastic Armrest
- 10 degree slope front
- Removable Work Tray
- Work Surface Support System
- Spill Through Drain Valve
- One Duplex Outlet Left Front Faring
- One Service Valve Right Side Wall
- One Service Coupling Right Side Wall
- Two Service Couplings Left Side Wall
- Power Cord



### LabGard NU-565 Class II, Type B2

The LabGard® ES (Energy Saver) TE (Total Exhaust) NU-565 Biosafety Fume Hood is a bench/table top model, optionally available with a base support stand, for operation as a console model. The LabGard ES model NU-565 is classified to UL 1805 may be used for work with flammable or volatile chemicals and radionuclides required if permitted by chemical risk assessment.

#### Standard Features:

- Touchlink2 Electronic Control System
- 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction
- Ultra-high Efficiency Motor
- Intelliflow Airflow Monitoring
- Automatic Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- NiteCare Night Setback
- HEPEX Zero Leak Airflow System
- Front Filter Removal
- Permanent Plenum with Quick Release Supply Filter
- Metal Diffuser Over Supply Filter
- 3-inch (76mm) Supply HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- 12-inch (305mm) Exhaust HEPA Filter 99.99 @ 0.3 Micron Efficiency Rating
- Attenuation Vibration Control
- Exterior LED Lighting
- 8-inch (254mm) Access Opening (NSF/ANSI 49)
- Frameless Sliding Tempered Glass View Screen
- Heavy Duty, Ergonomic Plastic Armrest
- 10 degree slope front
- Removable Work Tray
- Work Surface Support System
- Spill Through Drain Valve
- One Duplex Outlet Left Front Faring
- One Service Valve Right Side Wall
- One Service Coupling Right Side Wall
- Two Service Couplings Left Side Wall
- Power Cord

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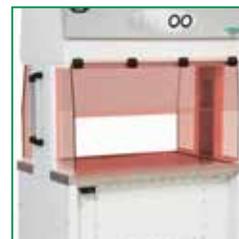
Feed Hopper



Bottle Rack



Base Stand Shelf



Red Light



Prop Up Work Surface



Ultraviolet (UV) Light



Cord Pass-thru (NSF)



LED Lighting (Replaces  
Flourescent Lighting)



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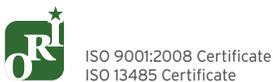
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