

BIOSAFETY CABINETS FOR INFECTIOUS DISEASE TESTING CONTAINMENT



NuAire provides Class II Biological Safety Cabinets for your "Point of Care" Microbiology Laboratory

NuAire Biological Safety Cabinets provide personnel, product, and environmental protection against airborne particles that can fit industry standard blood analyzers from GEM, Sysmex, or Picollo perfectly.



An infectious disease such as Ebola is considered a virus that does NOT emit gas or vapors. A Class II, Type A2 cabinet that recirculates back into the laboratory works for an infectious disease such as Ebola since any airborne particulate will become trapped within the exhaust and supply HEPA filters.

Warning: Ebola is considered a risk 4 agent and should be treated as such. The Ebola virus along with other infectious diseases is considered a risk 4 agent according to the American Biological Safety Association (ABSA) as well as other worldly

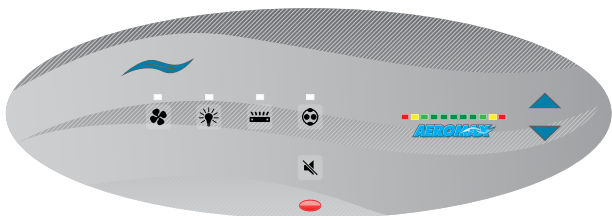
biosafety associations. The Ebola virus along with other risk 4 agents should be handled in accordance to the Biosafety in Microbiological and Biomedical Laboratories (BMBL). Risk 4 agents should be researched and analyzed within a Biosafety Level (BSL) 4 setting.

Since the majority of clinical setting Microbiological Laboratories are considered Biosafety Level (BSL) 2 this leaves the potential for heightened precautions to taking care of a patient as well as analyzing and testing. Please confer with your Environmental Health and Safety or Biosafety Officer to maintain your Standard Operating Procedures (SOP's) are up to date when using a Biological Safety Cabinet within a Point of Care Laboratory.



Safe Construction at a Lower Price

The LabGard Energy Saver NU-540 features the simplest of controls for quick user adoption.



AEROMAX

The **AeroMax** microprocessor cabinet control system includes a pressure monitor to control and display airflow system performance.



Features

Standard Features

- Energy Saver (ES) DC/ECM Motor
- Motor Speed Control
- Internal Exhaust Dampener
- Monolithic Pressure Tight Design (Silicone Free)
- Permanent Plenum with Quick Release Supply Filter
- Metal Frame HEPA Filters 99.99% @ 0.3 Microns
- 10" Access Opening
- External Fluorescent Lighting
- Front Filter Removal
- Frameless Sliding Tempered Glass View Screen
- PVC Plastic Armrest
- Removeable Work Tray

- Metal Diffuser Over Supply Filter
- Spill Trough with Drain Valve
- Two Duplex Outlet Backwall
- One Service Valve Right Side Wall
- One Service Coupling Right Side Wall
- Two Service Couplings Left Side Wall

Optional Features and Accessories

- DECON 101 System
- LED Lighting
- Germicidal UV Light
- Ground Fault Interrupter
- Additional Duplex Outlet

- IV Bar with Six Hooks
- Base Support Stand
- Auto Lift Base Stand
- Hinged Viewing Window
- Exhaust Transitions
- Storage Pull-Out Trays
- Decorative Side Panels
- Stainless Steel Armrest
- 8" (203 mm) Access Opening
- Adjustable Footrest
- Elbow Rests
- Custom Solutions

NU-540 Features

- AeroMax™** Control System
- Microprocessor control On/Off Functions For:
 - Blower/Motor
 - Lights
 - UV Light
 - Outlets
 - Window Alarm Silence
- Monitor Airflow Performance via **PressureFlow** - Plenum Pressure Monitor
- Monitor Window Position with Alarm
- Ring Back Function
- Timer Functions
- nitecare™** - Night Setback System





A Safer Approach with More Cabinet Feedback

The LabGard Air NU-543 offers an added degree of safety using microprocessor controls and airflow sensors to monitor airflow performance.



FLOWGARD

The **FLOWGARD** OLED touch pad monitors real time inflow and downflow of air within the cabinet and alarms if the airflow goes out of set range.

Features

Standard Features

- Energy Saver (ES) DC/ECM Motor
- Motor Speed Control
- Internal Exhaust Dampener
- Monolithic Pressure Tight Design (Silicone Free)
- Permanent Plenum with Quick Release Supply Filter
- Metal Frame HEPA Filters 99.99% @ 0.3 Microns
- 10" Access Opening
- External Fluorescent Lighting
- Front Filter Removal
- Frameless Sliding Tempered Glass View Screen
- PVC Plastic Armrest
- Removeable Work Tray
- Metal Diffuser Over Supply Filter

- Spill Trough with Drain Valve
- Two Drip Proof Duplex Outlets Backwall
- One Service Valve Right Side Wall
- One Service Coupling Right Side Wall
- Two Service Coupling Left Side Wall
- DECON Sealable Window

Optional Features and Accessories

- DECON 101 System
- LED Lighting
- Germicidal UV Light
- Ground Fault Interrupter
- Additional Duplex Outlet
- IV Bar with Six Hooks

- Base Support Stand
- Auto Lift Base Stand
- Hinged Viewing Window
- Additional Service Valves
- Remote Service Valves
- Stainless Steel Armrest
- Exhaust Transitions
- Storage Pull-Out Trays
- Decorative Side Panels
- 12" (305 mm) Access Opening (4, 5, 6, ft models only)
- 8" (203 mm) Access Opening
- Adjustable Footrest
- Elbow Rests
- Custom Solutions

NU-543 Features

- FLOWGARD™** Control System
- OLED Interface
- On/Off Functions For:
 - Blower/Motor
 - Lights
 - UV Light
 - Outlets
 - Window Alarm Silence
- Monitor Window Position
- Password Protection
- Audible and Visual Alarms
- Timer Functions
- Ring Back Function
- Plenum Monitor Via **intelliflow** - airflow sensor probe.
- nitecare™** - Night Setback System
- Decon Sequence Control



Base Stand Options



◀ Variable (Telescoping) Height with Leg Levelers

Stationary, work surface height is adjustable from 30" (762mm) to 36" (914mm) by 1" (25.4mm) increments.

Mobile with 4" (102mm) Casters, Motorized Adjustable Height ▶

Low profile to allow Biosafety Cabinet to be easily moved through a doorway.



Built-In Options



20 Amp Circuits

Higher-current circuits to supply power to your analyzer.



Cord Pass-Through

NSF Certified, supply power from an external source into work surface.



Ultraviolet Light

An added defense to help disinfect the cabinet interior.

VHP Decontamination Kit

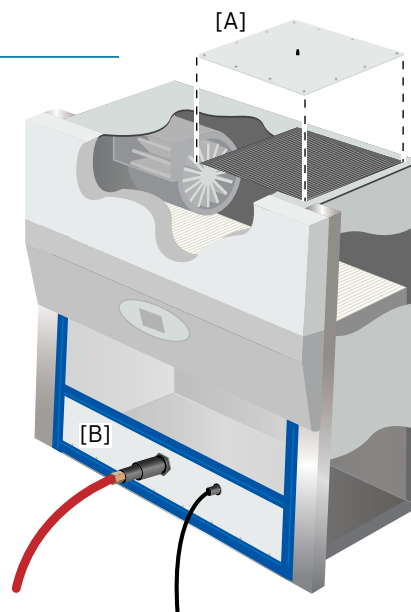
DECON101

A quicker and more secure way to decontaminate a biosafety cabinet after working with infectious agents. Fully compatible with common systems including Steris, Bioquell, Clordisys .

Kit includes:

Exhaust seal plate [A]

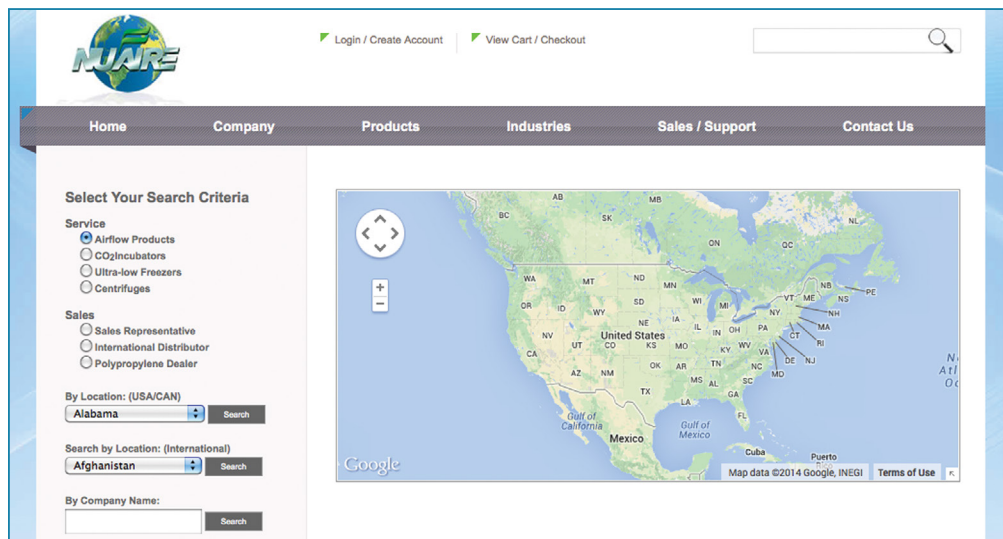
Front of unit seal plate with VHP ports specific to your VHP system [B]



	NU-5XX-300 Nominal 3 ft. [0.9 m]	NU-5XX-400 Nominal 4 ft. [1.2 m]	NU-5XX-500 Nominal 5 ft. [1.5 m]	NU-5XX-600 Nominal 6 ft. [1.8 m]
Style of Cabinet (All Sizes)	All Models: Bench Top / Console with Base Stand / Storage Cabinet			
Cabinet Construction (All Sizes)	All Models: All Welded 16/18 GA. Type 304 Stainless Steel, Pressure Tight Design			
Diffuser for Air Supply (All Size)	All Models: Non-Flammable (Metal)			
HEPA Filter Seal Type	All Models: HEPEX Seal Neoprene, Springloaded			
Supply Filter 99.995% Eff. on .03 microns				
Exhaust Filter 99.995% Eff. on .03 microns				
Decontamination/Fumigation manual or automated per NSF/ANSI 49 or EN12469	All Models: Yes			
Performance Specifications	NSF/ANSI 49 (NU-540, NU-543) EN12469 (NU-543)			
Standard Service				
Service Valve	One, Right Sidewall			
Service Coupling (3/8 inch NPT)	One, Right Sidewall / Two, Left Sidewall			
Outlet	Two, Backwall			
Optional Services				
Gas Cocks (3/8 inch NPT)	Up to 3 each Sidewall			
Ultraviolet Light	One, Backwall			
Standard / Cup Sinks	Left or Right Work Surface			
Cabinet Size Inches [mm]				
Width	41 ⁵ / ₈ [1057]	53 ⁵ / ₈ [1362]	65 ⁵ / ₈ [1669]	77 ⁵ / ₈ [1972]
Height	61 ⁷ / ₈ [1572]	61 ⁷ / ₈ [1572]	61 ⁷ / ₈ [1572]	61 ⁷ / ₈ [1572]
Depth (Control and Armrest Removed)	31 ⁷ / ₁₆ [779]	31 ⁷ / ₁₆ [779]	31 ⁷ / ₁₆ [779]	31 ⁷ / ₁₆ [779]
Work Access Opening Inches [mm]				
Standard Opening Height / Optional	10 [254] / 8 [203]	10 [254] / 8 [203] / 12 [305]	10 [254] / 8 [203] / 12 [305]	10 [254] / 8 [203] / 12 [305]
Standard Inflow Velocity	105 fpm (0.53 m/s)	105 fpm (0.53 m/s)	105 fpm (0.53 m/s)	105 fpm (0.53 m/s)
Work Zone Inches [mm]				
Width	34 ³ / ₈ [873]	46 ³ / ₈ [1178]	58 ³ / ₈ [1483]	70 ³ / ₈ [1788]
Height	28 ¹ / ₂ [724]	28 ¹ / ₂ [724]	28 ¹ / ₂ [724]	28 ¹ / ₂ [724]
Depth (Measured at 10" Window Height)	25 ³ / ₄ [654]	25 ³ / ₄ [654]	25 ³ / ₄ [654]	25 ³ / ₄ [654]
Viewing Window Inches [mm]	All Models: Fully closed to 21 [533]			
Standard is Safety Plate Sliding Glass				
Required Exhaust CFM [CMH] Standard/Optional	10 [254] / 8 [203]	10 [254] / 8 [203] / 12 [305]	10 [254] / 8 [203] / 12 [305]	10 [254] / 8 [203] / 12 [305]
Canopy Variable Flow (NU-911)	276-501 [649-851] / 255-350 [383-765]	363-588 [617-1000] / 295-520 [502-884] / 430-655 [731-1113]	451-676 [766-1149] / 365-590 [621-1003] / 531-760 [909-1291]	538-763 [915-1297] / 436-661 [741-1124] / 634-865 [1088-1470]
Canopy Fixed Flow (NU-907)	320 [544] / 269 [457]	426 [724] / 359 [610] / 483 [821]	531 [902] / 445 [756] / 610 [1036]	634 [1077] / 532 [904] / 763 [1251]
Plant Duct Static Pressure	All Models: .05" - 0.1" [1.27 - 2.54 mm]			
Electrical* (All Sizes)	All Models: 115 VAC / 60 Hz, E: 230 VAC / 50-60 Hz, D: 100 VAC / 50-60 Hz			
Heat Rejected BTU, Per Hour				
Non-Vented	10 [254] / 8 [203] 903 / 826	10 [254] / 8 [203] / 12 [305] 1140 / 1020 / 1256	10 [254] / 8 [203] / 12 [305] 1768 / 1611 / 1884	10 [254] / 8 [203] / 12 [305] 1884 / 1768 / 2041
Vented	120	157	198	198
Crated Shipping Weight*** lbs. [kg.]	460 [209]	530 [240]	620 [281]	690 [313]
Net Weight lbs. [kg.]	410 [186]	480 [218]	570 [258]	640 [290]

Sales and Service Information

Please visit NuAire's Web site at: www.nuaire.com and select the "Sales/Service Locator" option from the "Sales / Support" menu. Information can be found there for both United States and international distributors.



NuAire Laboratory Equipment Supply

NuAire manufactures ergonomic scientific laboratory equipment providing personnel, product and/or environmental protection in critical research environments. In addition to benchtop centrifuges, NuAire offers an extensive line of laboratory equipment including:



Biological Safety Cabinets



Animal Research Products



CO₂ Incubators



Custom Biological Enclosures



Laminar Airflow Products



Polypropylene
Fume Hoods & Casework



Ultralow Freezers



Centrifuges



For more information please visit
www.nuaire.com or call **1.800.328.3352**



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