

AIREGARD^{ES}

LAMINAR AIRFLOW WORKSTATIONS



LAMINAR AIRFLOW WORKSTATIONS



The Safer Choice for Your Laboratory, Pharmacy, Vivarium and You.

NUAIRE.COM

LAMINAR AIRFLOW WORKSTATIONS

ISO CLASS 5 AIR ENVIRONMENT FOR PRODUCT PROTECTION

NuAire Laminar Airflow Workstations are constructed using superior designs and manufacturing processes to provide reliable product protection. NuAire's innovations in airflow management, ergonomics, control systems, and highly efficient components result in an effective, long-lasting product.

Horizontal and Vertical Laminar Flow Workstations



NuAire Laminar Airflow Workstations can be used where clean airflow per ISO 14644-1 is required for the preparation of injectable drugs, IV solutions, tissue culture, optics, microelectronics, and more. These workstations provide superior protection against product contamination, but are not designed to prevent personnel exposure to biological agents. Therefore, work involving agents assigned a level of Risk 1 through 4 as classified by the Centers for Disease Control (CDC), Atlanta, Georgia, is not appropriate for this equipment.

Ergonomic Design

NuAire equipment is designed to reduce arm, shoulder, and neck strain which can contribute to common workplace injuries.

Ergonomic Features Include:

- American's with Disabilities Act (ADA) Compliance
- Centrally located control panel for easy operation
- Ability to sit or stand at a range of heights with optional motorized base stand, adjustable chair, and footrest
- Maximum knee clearance with optimal base stand
- Large work surface provides ample space
- A large access opening with cool white lighting offers greater visibility and better sight-lines into the work zone

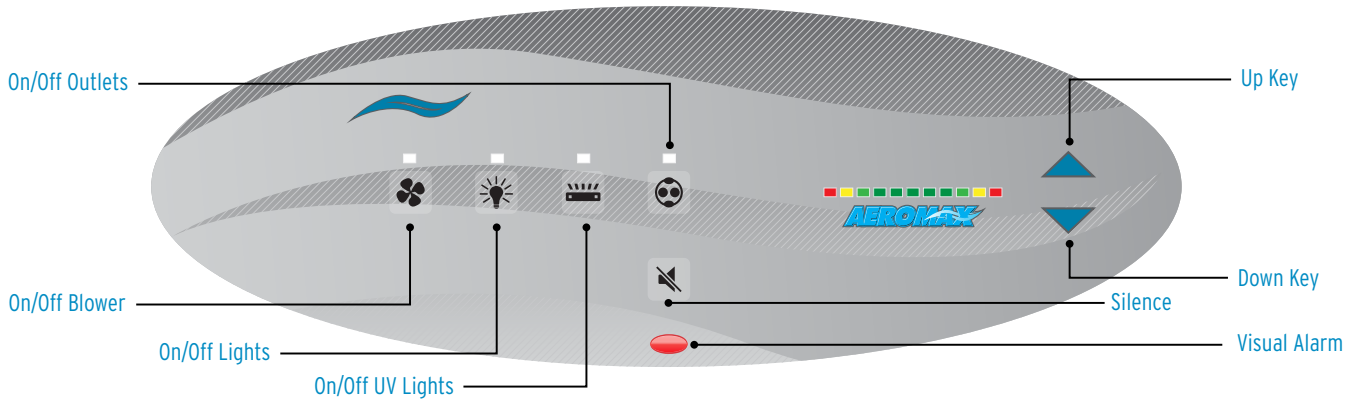


CONTROLS AND FEATURES

The AeroMax™ Control System

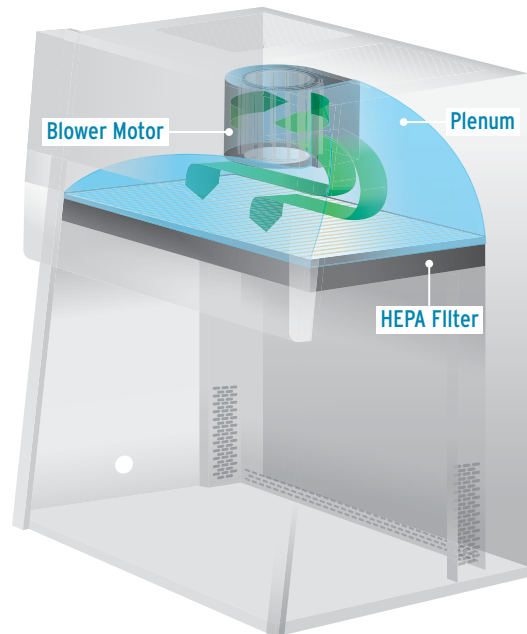


The AeroMax Control System is a user-friendly control system that monitors and displays airflow performance via PressureFlow™ - a specialized digital pressure transducer. If there is either a high airflow or low airflow in the work zone, the system notifies lab workers with both visual and audio alarms. 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 motor.



HEPEX™ Zero Leak Airflow System

The HEPEX™ Zero Leak Airflow system evenly disperses air over the supply HEPA filter, minimizes vibration transfer, and eliminates potential leaks by surrounding positive pressure chambers with negative pressure.



Ultra High Efficiency Motor

An ultrahigh efficiency DC ECM motor combined with a precision engineered fan blade to lower energy usage and extend the life of the HEPA filter lowering your total cost of ownership.

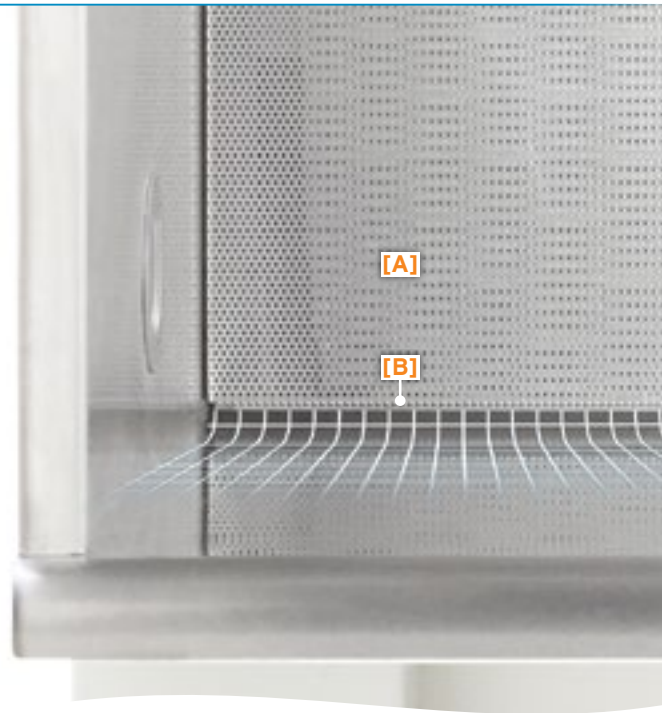


SERVICE AND MAINTENANCE

DESIGNED FOR EFFICIENT SERVICE AND EASE OF CLEANING

Cleanability

AireGard Laminar Airflow Workstations (LAFW) comes standard with a type 304 stainless steel interior to improve cleanability. On horizontal airflow models, the metal diffuser screen that protects the HEPA filter [A] can be easily removed by hand without the use of tools for cleaning. It is designed with small perforated holes that do not catch or snag cloth or paper wipes. The work zone features a spill lip [B] that protects the HEPA filter in case of a spill.



Service Friendly

All service functions can be performed from the front or top of the workstation. NuAire Laminar Airflow Workstations are designed to increase efficiency by reducing downtime for service and maintenance. It is not necessary to reposition the cabinet to perform common service functions.

Both the prefilter and HEPA filters are accessible from the front of the cabinet. Removing the diffuser screen [C] at the back of the work area allows access to the HEPA filter. The prefilter is accessed by removing the access grate [D] on the lower front of the cabinet.





NU-140 AIREGARD™ ES

VERTICAL LAMINAR AIRFLOW WORKSTATION



The NuAire **NU-140 AireGard™ ES Vertical Laminar Airflow Workstation** (LAFW) model NU-140 is designed as a table top cabinet that features the newest technologies in laminar airflow design, materials and manufacturing processes. The clean workstation can be used where ISO Class 5 clean airflow is required for the preparation of injectable drugs, IV solutions, tissue culture, optics, microelectronics, etc. The clean workstation is used to protect the product from contamination. The clean workstation is optionally available with a base stand, placing the work surface at 30" (762mm) or 36" (914mm). A significant number of design innovations give the NuAire Laminar flow equipment superior performance qualities in airflow, lighting, noise levels and vibration.



◀ AireGard ES NU-140-430 shown with optional wheeled telescoping base stand.

Specifications

Model	Nominal Width	Electrical* (all sizes)	Exterior Dimensions W x D x H / Inches (mm)	Internal Dimensions W x D x H / Inches (mm)	Access Opening Inches (mm)	Net Wt.
NU-140-330	3 ft. (0.9 m)	115 VAC / 60 Hz E: 230 VAC / 50-60 Hz	38 x 32 x 58 (965 x 813 x 1473)	33 7/8 x 26 3/4 x 30 1/8 (860 x 679 x 765)	25 1/4 (641) Without UV Light	300 lbs. (136 kg)
NU-140-430	4 ft. (1.2 m)		50 x 32 x 58 (1270 x 813 x 1473)	45 7/8 x 26 3/4 x 30 1/8 (1165 x 679 x 765)		355 lbs. (161 kg)
NU-140-530	5 ft. (1.5 m)		62 x 32 x 58 (1575 x 813 x 1473)	57 7/8 x 26 3/4 x 30 1/8 (1470 x 679 x 765)	20 (508) With UV Light	420 lbs. (191 kg)
NU-140-630	6 ft. (1.8 m)		74 x 32 x 58 (1880 x 813 x 1473)	69 7/8 x 26 3/4 x 30 1/8 (1775 x 679 x 765)		595 lbs. (270 kg)

*Specify model with appropriate letter suffix for electrical specifications. "NU-140-330E" for 230 VAC / 50 - 60 Hz

Features

Performance

True Laminar Vertical Airflow of 90 fpm (0.46 m/s)

250% Filter Load Capacity (±10 Year Average Dependent on Environment)

Meets Performance Requirements IEST-RP-CC002.4 and ISO 14644-1

ISO Class 5 Air Quality

Protection

HEPEX™ Zero Leak Airflow System

Pureflow Vacuum Slots

Motor

Ultra-High Efficiency DC ECM Motor with Forward-Curved Fan Designed for Optimal Airflow

AttenuMont Vibration Control

Controls

AeroMax Electronic Control System w/PressurFlow 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

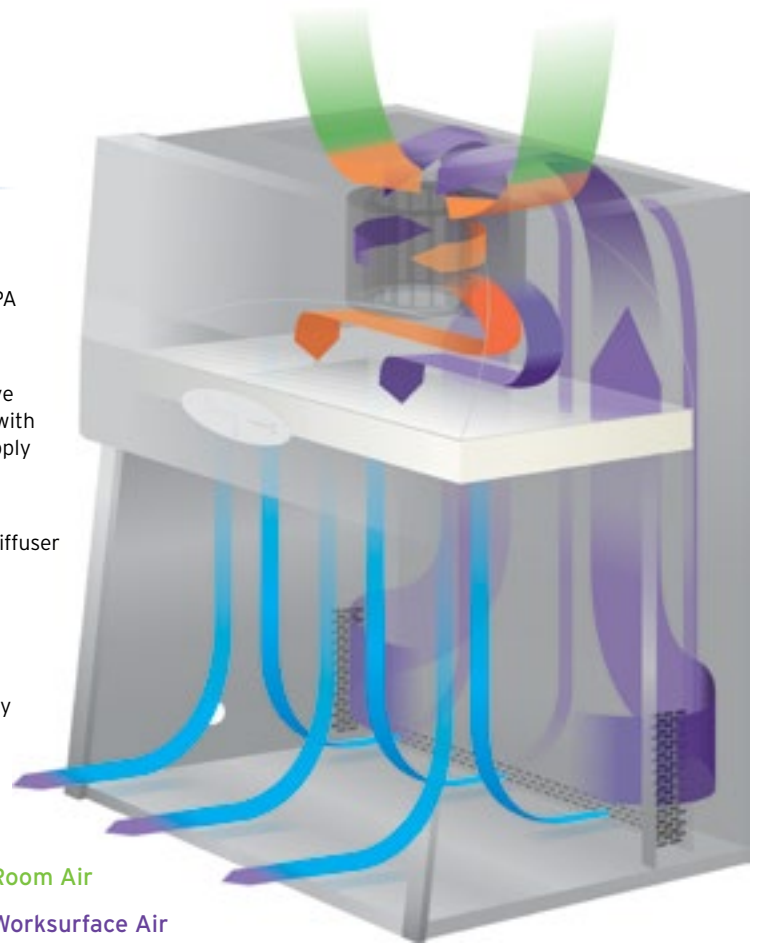
Quick Removal Protective Metal Diffuser

Pre-filter System

Ergonomics

ADA Compliant

Large User-Friendly Work zone



➔ Contaminated Room Air

➔ Contaminated Worksurface Air

➔ Prefiltered Air

➔ HEPA Filtered Air

Design Your Own

Nominal Width

3-foot (0.9 m)

4-foot (1.2 m)

5-foot (1.5 m)

6-foot (1.8 m)

Connections Kits for Extended Sizes

Work Surface

16/18 Gauge Type 304 Stainless Steel with PVC Core (Standard Feature)

Nevamar with PVC Core

Sidewalls

16/18 Gauge Type 304 Stainless Steel, with One Cord Pass-Through Each Sidewall (Standard Feature)

Polycarbonate, with One Cord Pass-Through Each Sidewall

Lighting

Fluorescent [90 fc (968 lux)] (Standard Feature)

LED [90 fc (968 lux)]

Options

IV Bar with 3 Locations, 6 Hooks

UV Light with Protective Sliding Sash

Outlets

Service Valves

Storage Drawers

Seismic Brackets

Accessories

Telescoping Base Stand (Casters, Leg Levelers)

Telescoping Base Stand (OSHPD OPM) (Leg Levelers)

Motorized Adjustable Height Base Stand (Casters, Leg Levelers)

Base Stand Shelf (8, 12-inch [203, 305 mm])

Ergotron Computer Monitor/Keyboard Arm

Adjustable Footrest

Stainless Steel Turntable



NU-240 AIREGARD™ ES

BENCH TOP HORIZONTAL LAMINAR AIRFLOW WORKSTATION



The NuAire **NU-240 AireGard™ ES Horizontal Laminar Airflow Workstation** (LAFW) model NU-240 is designed as a table top clean bench that features the newest technologies in laminar airflow design, materials and manufacturing processes. The clean workstation can be used where ISO Class 5 clean airflow is required for the preparation of injectable drugs, IV solutions, tissue culture, optics, microelectronics, etc. The clean workstation is used to protect work product from contamination. The clean workstation is available with an optional base stand, placing the work surface at 30" (762mm) or 36" (914mm). A significant number of design innovations give the NuAire Laminar flow equipment superior performance qualities in airflow, lighting, noise levels and vibration.



◀ The AireGard ES NU-240-430 shown features an optional motorized height-adjustable base stand with casters which provides mobility within the facility and allows for a range of worksurface heights.

Specifications

Model	Nominal Width	Electrical* (all sizes)	Exterior Dimensions W x D x H / Inches (mm)	Internal Dimensions W x D x H / Inches (mm)	Heat Rejected (BTU / Hr.)	Net Wt.
NU-240-330/E	3 ft. (0.9 m)	115 VAC / 60 Hz E: 230 VAC / 50-60 Hz	38 x 32 x 55 ½ (965 x 813 x 1406)	35 ⅞ x 19 ⅝ x 32 (911 x 498 x 813)	863	300 lbs. (150 kg)
NU-240-336			38 x 32 x 61 ¾ (965 x 813 x 1559)	35 ⅞ x 19 ⅝ x 38 (911 x 498 x 965)	1099	345 lbs (156 kg)
NU-240-430/E	4 ft. (1.2 m)		50 x 32 x 55 ½ (1270 x 813 x 1406)	47 ⅞ x 19 ⅝ x 32 (1216 x 498 x 813)	1256	390lbs (177kg)
NU-240-436			50 x 32 x 61 ¾ (1270 x 813 x 1559)	47 ⅞ x 19 ⅝ x 38 (1216 x 498 x 965)	1491	405 lbs (184 kg)
NU-240-530/E	5 ft. (1.5 m)		62 x 32 x 55 3/8 (1575 x 813 x 1406)	59 ⅞ x 19 ⅝ x 32 (1521 x 498 x 813)	1648	450 lbs (204 kg)
NU-240-536			62 x 32 x 61 ¾ (1575 x 813 x 1559)	59 ⅞ x 19 ⅝ x 38 (1521 x 498 x 965)	1884	470 lbs (213 kg)
NU-240-630/E	6 ft. (1.8 m)		74 x 32 x 55 ½ (1880 x 813 x 1406)	71 ⅞ x 19 ⅝ x 32 (1826 x 498 x 813)	1962	540 lbs (245 kg)

*Specify model with appropriate letter suffix for electrical specifications. "NU-240-330E" for 230 VAC / 50 - 60 Hz

Features

Performance

True Laminar Vertical Airflow of 90 fpm (0.46 m/s)

250% Filter Load Capacity (±10 Year Average Dependent on Environment)

Meets Performance Requirements IEST-RP-CC002.4 and ISO 14644-1

ISO Class 5 Air Quality

Protection

HEPEX™ Zero Leak Airflow System

Motor

Ultra-High Efficiency DC ECM Motor with Forward-Curved Fan Designed for Optimal Airflow

AttenuMont 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

Quick Removal Protective Metal Diffuser

Pre-filter System

Ergonomics

ADA Compliant

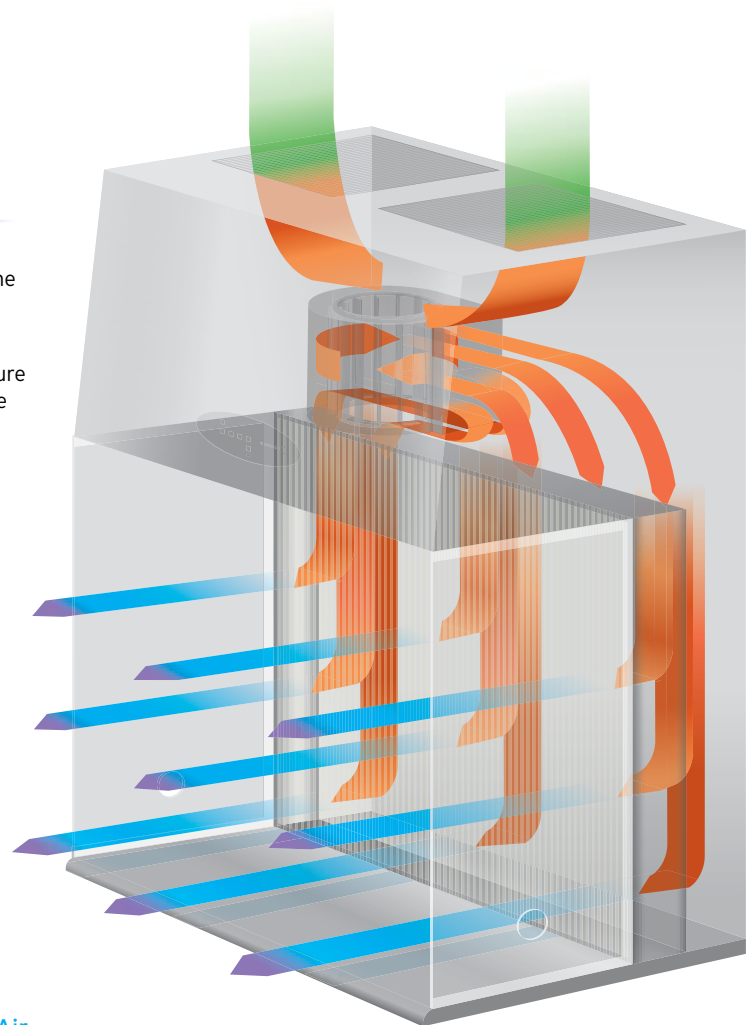
Large User-Friendly Work zone

Cleaning

Quick Removal Protective Metal Filter Diffuser

Work Zone Back Wall Spill Lip

Smooth Interior



➔ Contaminated Room Air

➔ Prefiltered Air

➔ Contaminated Worksurface Air

➔ HEPA Filtered Air

Design Your Own

Nominal Width

3-foot (0.9 m)

4-foot (1.2 m)

5-foot (1.5 m)

6-foot (1.8 m)

Connections Kits for Extended Sizes

Filter Height

30-inches (762 mm)

36-inches (914 mm)

Work Surface

16/18 Gauge Type 304 Stainless Steel with PVC Core (Standard Feature)

Nevamar with PVC Core

Sidewalls

16/18 Gauge Type 304 Stainless Steel, with One Cord Pass-Through in Each Sidewall (Standard Feature)

Polycarbonate, with One Cord Pass-Through in Each Sidewall

Lighting

Fluorescent [90 fc (968 lux)] (Standard Feature)

LED [90 fc (968 lux)]

Options

IV Bar with 3 locations, 6 hooks

Outlets

Service Valves

Storage Drawers

Seismic Brackets

Accessories

Telescoping Base Stand (Casters, Leg Levelers, Storage, OSHPD OPM)

Motorized Adjustable Height Base Stand (Casters, Leg Levelers)

Base Stand Shelf (8, 12-inch [203, 305 mm])

Ergotron Computer Monitor/Keyboard Arm

Adjustable Footrest

Stainless Steel Turntable



NU-340 AIREGARD™ ES

CONSOLE HORIZONTAL LAMINAR AIRFLOW WORKSTATION



The NuAire console-style **NU-340 AireGard™ ES Horizontal Laminar Airflow Workstation** (LAFW) designed to provide clean ISO Class 5 airflow for the preparation of injectable drugs, IV solutions, tissue culture, optics, microelectronics, and more. Model NU-340 offers product protection through the use of HEPA filtered airflow in a horizontal laminar direction over the work surface. AireGard provides long-lasting performance with energy saving technology. The clean workstation is used to protect work product from contamination. A significant number of design innovations give the NuAire Laminar flow equipment superior performance qualities.



◀ AireGard ES model NU-340-430 configured with a stainless steel interior, LED Lighting, IV Bar, and casters.

Specifications

Model	Nominal Width	Electrical* (all sizes)	Exterior Dimensions W x D x H / Inches (mm)	Internal Dimensions W x D x H / Inches (mm)	Heat Rejected (BTU / Hr.)	Net Wt.
NU-340-330/E	3 ft. (0.9 m)	115 VAC / 60 Hz E: 230 VAC / 50-60 Hz	38 x 32 x 75 ¾ (965 x 813 x 1924)	35 7/8 x 19 5/8 x 32 (911 x 498 x 813)	863	300 lbs. (150 kg)
NU-340-336			38 x 32 x 81 ¾ (965 x 813 x 2076)	35 7/8 x 19 5/8 x 38 (911 x 498 x 965)	1099	345 lbs (156 kg)
NU-340-430/E	4 ft. (1.2 m)		50 x 32 x 75 ¾ (1270 x 813 x 1924)	47 7/8 x 19 5/8 x 32 (1216 x 498 x 813)	1256	390lbs (177kg)
NU-340-436			50 x 32 x 81 ¾ (1270 x 813 x 2076)	47 7/8 x 19 5/8 x 38 (1216 x 498 x 965)	1491	405 lbs (184 kg)
NU-340-530/E	5 ft. (1.5 m)		62 x 32 x 75 ¾ (1575 x 813 x 1924)	59 7/8 x 19 5/8 x 32 (1521 x 498 x 813)	1648	450 lbs (204 kg)
NU-340-536			62 x 32 x 81 ¾ (1575 x 813 x 2076)	59 7/8 x 19 5/8 x 38 (1521 x 498 x 965)	1884	470 lbs (213 kg)
NU-340-630/E	6 ft. (1.8 m)		74 x 32 x 75 ¾ (1880 x 813 x 1924)	71 7/8 x 19 5/8 x 32 (1826 x 498 x 813)	1962	540 lbs (245 kg)

*Specify model with appropriate letter suffix for electrical specifications. "NU-340-330E" for 230 VAC / 50 - 60 Hz

Features

Performance

True Laminar Horizontal Airflow of 90 fpm (0.46 m/s)

250% Filter Load Capacity (±10 Year Average Dependent on Environment)

Meets Performance Requirements IEST-RP-CC002.4 and ISO 14644-1

ISO Class 5 Air Quality

Protection

HEPEX™ Zero Leak Airflow System

Motor

Ultra-High Efficiency DC ECM Motor with Forward-Curved Fan Designed for Optimal Airflow

Attenuation Vibration Control

Controls

AeroMax Electronic Control System w/ PressureFlow Monitor

Filter

3-inch (76 mm) Metal Fram 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

Cleaning

Quick Removal Protective Metal Diffuser

Work Zone Back Wall Spill Lip

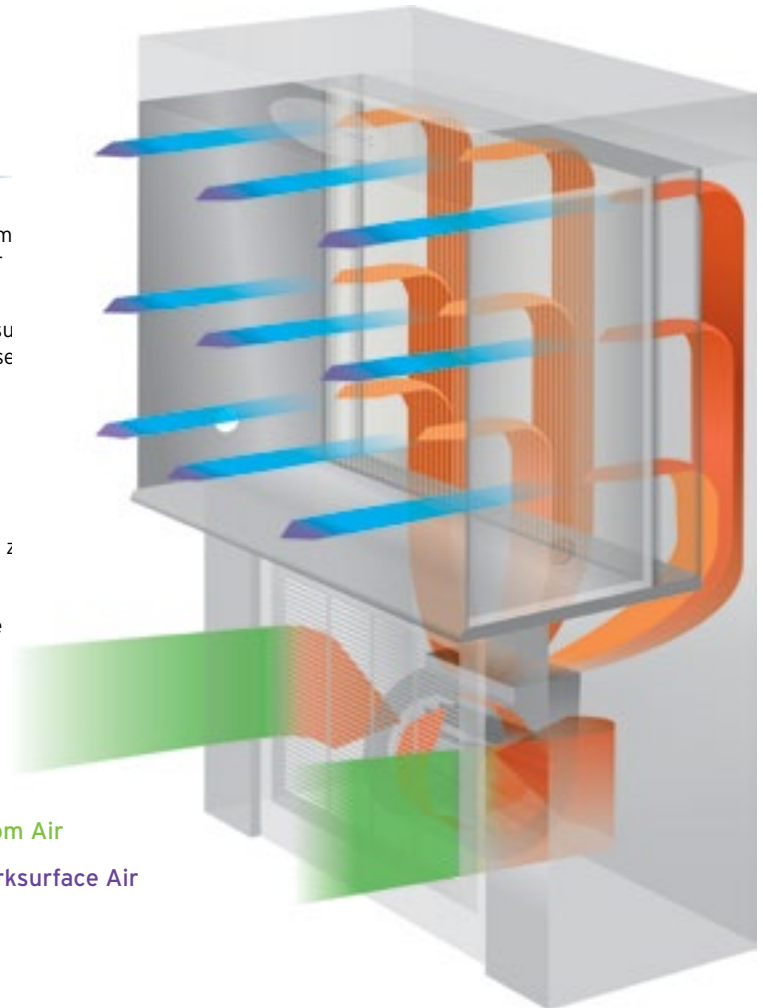
Smooth Interior

➔ Contaminated Room Air

➔ Contaminated Worksurface Air

➔ Prefiltered Air

➔ HEPA Filtered Air



Design Your Own

Nominal Width

3-foot (0.9 m)

4-foot (1.2 m)

5-foot (1.5 m)

6-foot (1.8 m)

Connections Kits for Extended Sizes

Filter Height

30-inches (762 mm)

36-inches (914 mm)

Work Surface

16/18 Gauge Type 304 Stainless Steel with PVC Core (Standard Feature)

Nevamar with PVC Core

Sidewalls

16/18 Gauge Type 304 Stainless Steel, with One Cord Pass-Through in Each Sidewall (Standard Feature)

Polycarbonate, with One Cord Pass-Through in Each Sidewall

Lighting

Fluorescent [90 fc (968 lux)] (Standard Feature)

LED [90 fc (968 lux)]

Feet

Leg Levelers

Casters with Locks

Options

IV Bar with 3 locations, 6 hooks

Outlets

Service Valves

Storage Drawers

Seismic Brackets

Accessories

Adjustable Footrest

Stainless Steel Turntable



CUSTOM PRODUCTS

ENGINEERED FOR SPECIFIC APPLICATIONS

Custom Solutions

NuAire's custom sales department has handled projects of all shapes and sizes, ranging from simple modifications involving the movement of an outlet or service valve to complex augmentations for containment enclosures and robotics enclosures. The department regularly handles requests for dimensional modifications of cabinets, to fit lab space dimensions or to house particular equipment. They also often add computer arms, monitors, and microscope windows into our standard cabinets while maintaining rigorous safety and performance standards you expect from NuAire equipment. Another common customization involves installing smooth interiors for increased ease in cleaning for pharmaceutical settings.

A custom model NU-340 features a connection kit to combine workstations for an 8-foot (2439 mm) width and an extended work surface depth to accommodate an automated total parenteral nutrition (TPN) compounding system. ▶

A bespoke model NU-240 was designed to offer a broader [8-foot (2439 mm)] and taller work zone to accommodate a single workflow involving microscopes. An isolation table was added to eliminate vibration in the work surface. The extended work surface allows a technician to perform a protocol without having to leave the work zone. ▼

Regardless of what type of modification your lab and research require, NuAire's custom sales department will do their utmost to meet your needs and provide equipment capable of not only meeting but exceeding your expectations. To top it off, you will of course still receive the excellent support and service for years to come, ensuring your custom equipment continues to perform at peak levels.



POPULAR CONFIGURATIONS

CUSTOMIZED FOR COMMON WORK FLOWS

Pharmacy Compounding

- Stainless Steel Worksurface
- Stainless Steel Sidewalls
- LED Lightning
- IV Bar
- Motorized Base Stand (NU-140, NU-240 only)



Medication Workflow

- Stainless Steel Worksurface
- Stainless Steel Sidewalls
- LED Lightning
- IV Bar
- Outlets
- Telescoping Base Stand (NU-140, NU-240 only)
- Ergotron Arm
- Base stand shelf (NU-140, NU-240 only)



Plant Cell Culture

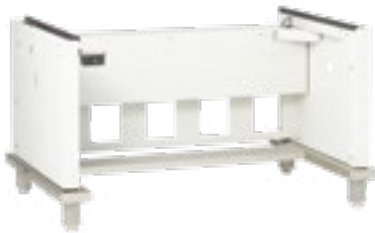
- Stainless Steel Worksurface
- Stainless Steel Sidewalls
- LED Lightning
- UV Light with Sliding Window (NU-140 Only)



ACCESSORIES

ADD AND EXTEND CAPABILITIES

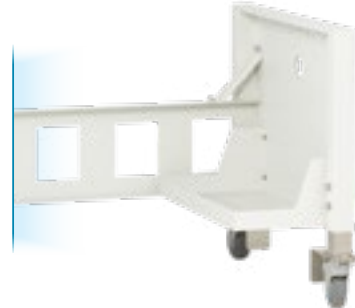
NuAire Laboratory Equipment can be configured for many different applications and to better promote user comfort and safety. NuAire offers accessories to extend the capabilities of our products to fit your laboratory.



Motorized Base Stand
Work Surface Height Range 30" - 36" (762 - 914 mm)
Feet Options: Leg Levelers or Casters



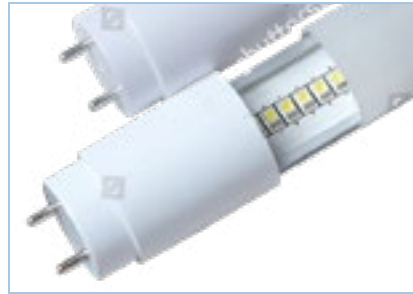
Telescoping Base Stand
Work Surface Height Range 30" - 36" (762 - 914 mm)
Feet Options: Leg Levelers or Casters
Shelf, 8 or 12-inch width
OSHDP OPM Seismic Approved



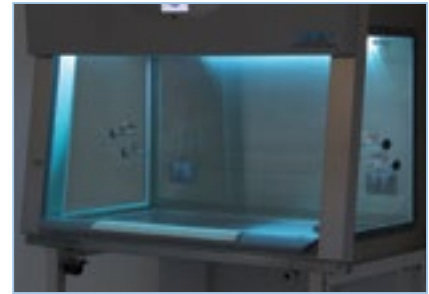
Base Stand Shelf
8" (203 mm) or 12" (305 mm) Widths
Telescoping Base Stands Only



IV Bar
3 Height Locations
6 Hooks



Exterior LED Lighting



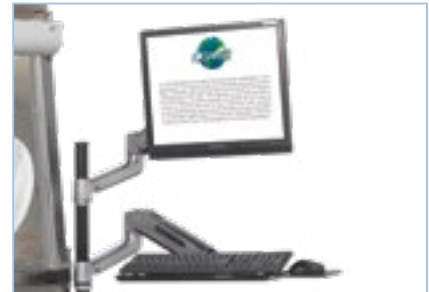
Ultraviolet (UV) Light with Protective Window Sash (Model NU-140 Only)



Stainless Steel Turntable



Adjustable Foot Rest



Ergotron® arm for monitor and keyboard/mouse

SALES AND SERVICE LIKE NO OTHER

Sales and Service Like No Other

NuAire employs a network of knowledgeable sales and service individuals some of which have been selling and servicing NuAire Laboratory Products since our inception in 1971.

Working Safely Video Series

Learn how to work safely in your NuAire Biological Safety Cabinet with this 7 Chapter online video series.

Sales Representatives

Our Sales Representatives are located throughout the globe providing you with a local individual who can assist product selection, pricing, installation, training, and service throughout the life of your product.

Pricing and Ordering:

For more information, to receive a price quote, or to order, visit **NuAire.com** or call: **763 553-1270**

Contracts, GPO's and Many More!

NuAire has a variety of Contracts set up through Group Purchasing Organizations, Government Associations, Health Systems, Universities and many more.



ISO 9001:2015 Certificate

Complete Your Laboratory

NuAire offers a full range of laboratory equipment, including:



LABGARD

Biosafety Cabinets



IN-VITROCELL ES

CO₂ Incubators



ALLERGARD ES

Animal Laboratory Products



Polypropylene Fume Hoods and Casework



PHARMAGARD ES

Compounding Isolators



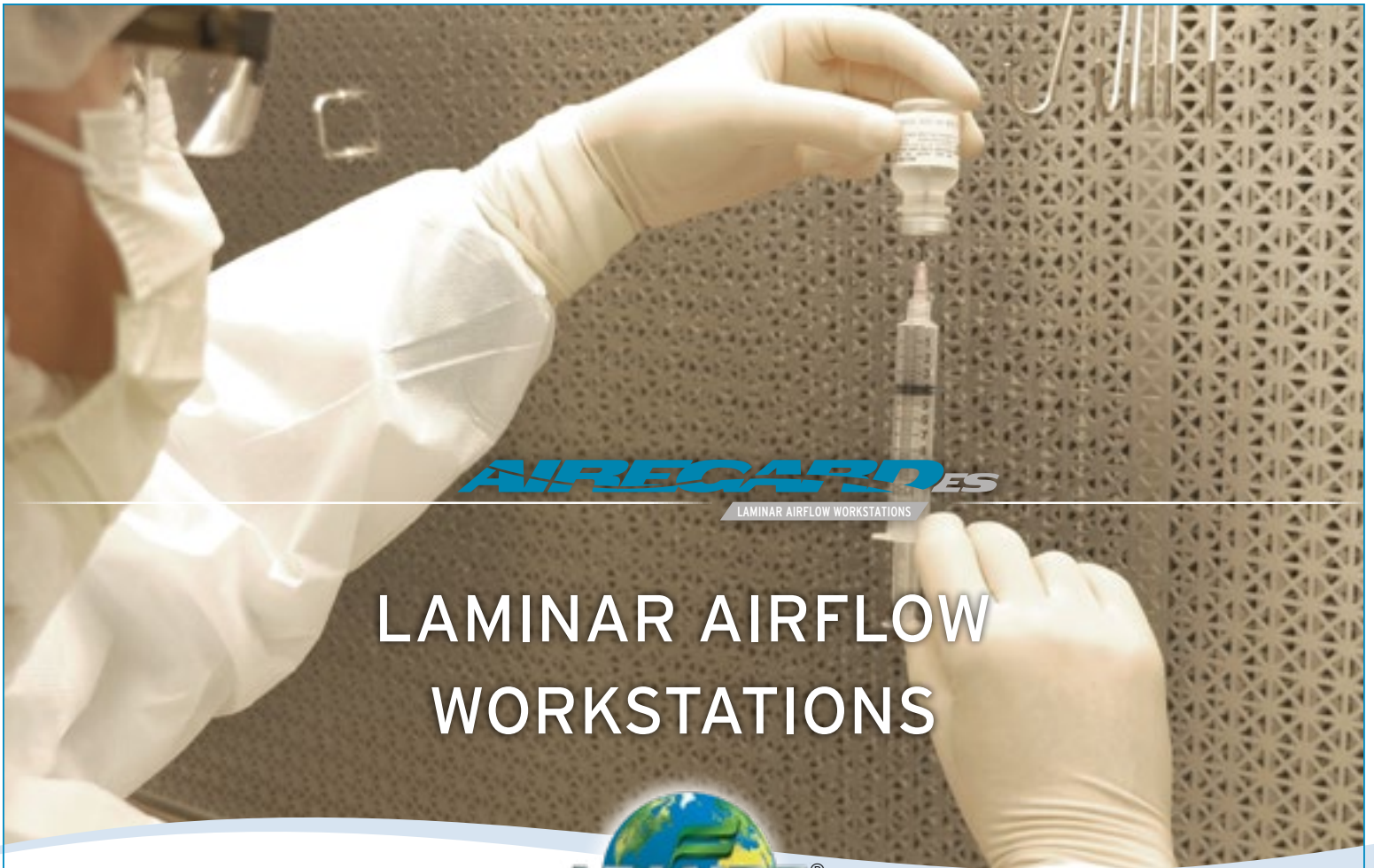
BLIZZARD

Ultralow Freezers



NUAIR

Centrifuges



AIRECARDES

LAMINAR AIRFLOW WORKSTATIONS

LAMINAR AIRFLOW WORKSTATIONS



The Safer Choice for Your Laboratory, Pharmacy, Vivarium and You.

Your Local NuAire Representative

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