NU-545 LabGard® Air Limited Class II, Type A2 Biological Safety Cabinet
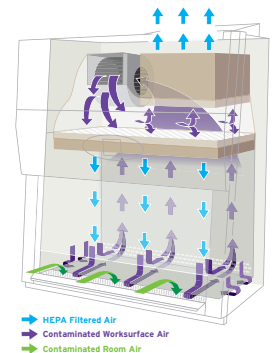
The LabGard® ES (Energy Saver) AIR Limited Model NU-545 Biological Safety Cabinet (BSC) is a primary engineering control in obtaining the optimum product quality while reducing the potential for exposure of both product and personnel to airborne biological or particulate chemical agents in low to moderate risk-hazard research and drug preparation or product operations, as prescribed by the Center for Disease Control (CDC) Atlanta, Georgia.

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
- 300% Filter Load Capacity (±10 Year Average depending on laboratory environment)

→ HEPA Filtered Air
→ Contaminated Worksurface Air
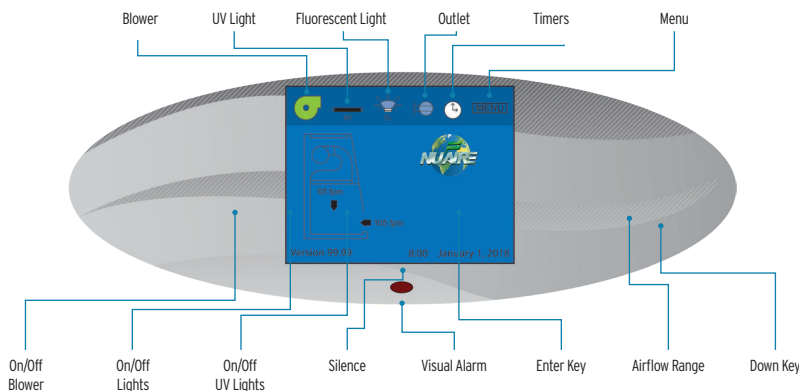→ Contaminated Room Air

The NuAire TouchLink touchscreen LCD Control Center brings Biological Safety Cabinet performance to your fingertips. The TouchLink control center allows supervisors to control the blower by password, provides real-time airflow measurements and alarms, and integrates quickly with current facility security systems. TouchLink also simplifies maintenance by providing detailed diagnostic information and step-by-step decontamination procedures. TouchLink can even wake up when you do—by running the blower and lights on a customizable schedule!

Blower | UV Light | Fluorescent Light | Outlet | Timers | Menu

On/Off Blower | On/Off Lights | On/Off UV Lights | Silence | Visual Alarm | Enter Key | Airflow Range | Down Key

intelliflow

intelliflow™ airflow sensor technology incorporates the same thermal anemometer technology used by service technicians (certifiers) to annually verify your biological safety cabinet's airflow performance.

nitecare

Night setback mode is initiated by the window closure, will reduce motor / blower operational airflow to conserve energy while maintaining work zone sterility.

NU-545 LabGard® Air Limited Class II, Type A2 Biological Safety Cabinet

Efficiency Features:
- Ultra High Efficiency ECM Eon™ Motor
- Auto Filter Loading Compensation
- Motor Speed Controller
- Internal Exhaust Damper
- nitecare Night Setback

Superior Construction Features:
- Monolithic 16/18 Gauge, Type 304 Stainless Steel Welded
- Pressure Tight Construction (Silicone Free)

- Removable Control Center
- Removable Stainless Steel Coved Work Tray
- Recessed and Removable Front Intake Grill
- Stainless Steel Spill Trough with Drain Valve
- Vibration Reducing Work Surface Support System
- External Non-Glare 100 lm/ft² Fluorescent Lighting
- Window can be sealed through an inner gasket creating a gas light connection for decon

Safety Features:
- 3" (76 mm) Supply HEPA Filter, 99.99 @ 0.3 Micron Efficiency Rating
- 12" (305 mm) Exhaust HEPA filter, 99.99 @ 0.3 Microns Efficiency Rating
- Dual airflow sensors
- Airflow / Window Alarms with Ring Back Function
- Security Password Protection
- HEPEX Zero Leak Airflow System
- NSF/ANSI 49, UL Listed

Specifications

Model	Width Size (nominal)	Electrical* (all sizes)	Interior Dimensions (W x D x H) [in]	Exterior Dimensions (W x D x H) [in]	Net Weight
NU-545-300	3 ft [0.9 m]	115 VAC / 60 Hz	34 ³/₈ x 26 x 28 ¹/₂ [873 x 660 x 724]	41 ⁵/₈ x 32 ¹/₄ x 60 ⁷/₈ [1057 x 819 x 1546]	410 lbs [186 kg]
NU-545-400	4 ft [1.2 m]		46 ³/₈ x 26 x 28 ¹/₂ [1178 x 660 x 724]	53 ⁵/₈ x 32 ¹/₄ x 60 ⁷/₈ [1362 x 819 x 1546]	480 lbs [218 kg]
NU-545-500	5 ft [1.5 m]		58 ³/₈ x 26 x 28 ¹/₂ [1483 x 660 x 724]	65 ⁵/₈ x 32 ¹/₄ x 60 ⁷/₈ [1669 x 819 x 1546]	570 lbs [258 kg]
NU-545-600	6 ft [1.8 m]		70 ³/₈ x 26 x 28 ¹/₂ [1788 x 660 x 724]	77 ⁵/₈ x 32 ¹/₄ x 60 ⁷/₈ [1972 x 819 x 1546]	640 lbs [290 kg]

*Specify model with appropriate letter suffix for electrical specifications. "NU-540-300E" for 230 VAC / 50 - 60 Hz

Standard Features

Monitor 16/18 Gauge, Type 304 Stainless Welded Pressure Tight Construction

Ultra-high Efficiency Motor

Touchlink2 Electronic Control System

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

Attenumont 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 GFI

One Service Valve Right Side Wall

One Service Coupling Right Side Wall

Two Service Couplings Left Side Wall

Power Cord

Optional Features and Accessories

8-inch (203mm) Access Opening @ 105 (.53 m/s) Inflow

Ultraviolet Light

Additional Service Valves for Gas, Air, Vacuum

IV Bar with 6 Stainless Steel Hooks

Exhaust Transitions - Canopy

Base Support Stand

Adjustable Control for Support Stand or Storage Cabinet

Sinks with Hot/Cold or Di Water Faucets

Decorative Side Panels

Arm Rest (Stainless Steel)

NSF Cord Pass-thru

Prop-up Work Tray

Popular Accessories/Built-in Options

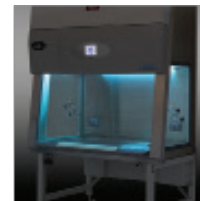Telescoping Leg Leveler or Castor Base Stand

Motorized Base Stand

Prop Up Work Surface

Arm Rest Pads

Elbow Rest

Ultraviolet (UV) Light

NuAire is a sponsor of the IFBA
International Federation of Biosafety Associations

Visit www2.nuaire.com/06380 to make a request online or scan the code.

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