

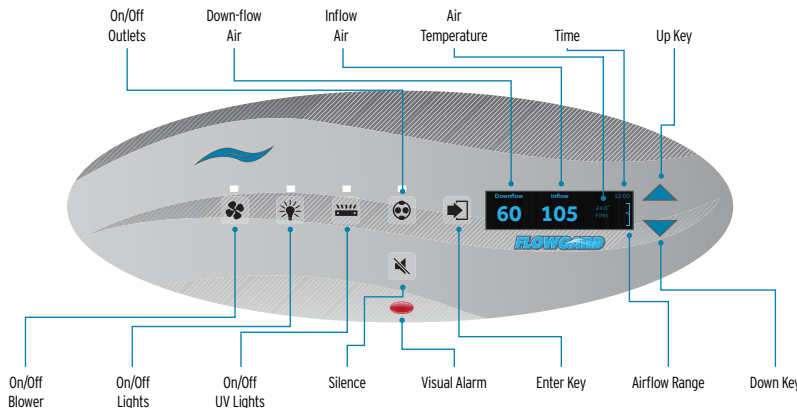
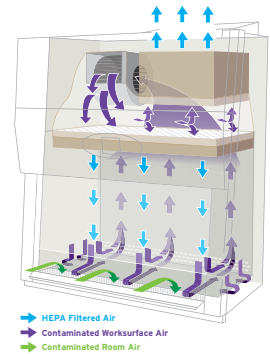


environmental,  
product & personnel  
protection

The LabGard<sup>®</sup> AIR model NU-543 a NSF/ANSI 49 and EN12469 listed Class II, Type A2 Biosafety Cabinet offering protection for Personnel, Product, and Environment. LabGard<sup>®</sup> AIR can be either exhausted back into the room or connected to a facility HVAC system to minimize 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
- 300% Filter Load Capacity (±10 Year Average depending on laboratory environment)
- ISO Class 5 Air Quality



## FLOWGARD

Electronic Control System utilizes *intelliflow*, a digital thermistor airflow probe in the exhaust airflow to analyze, monitor and control down-flow and inflow air.

## nitecare

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

## experience ergonomics

Select from a variety of window access openings:

- 8" (203 mm) for lower operating cost (NSF/ANSI 49)
- 10" (254 mm) combining lower costs and improved ergonomics (NSF/ANSI 49, EN12469)
- 12" (305 mm) for greater ergonomic reach by 40%\* (NSF/ANSI 49)

A recessed airfoil grill allows users to use the ergonomic armrest without blocking airflow compromising safety. A recessed work tray provides users greater flexibility when working with bottles or pipettes. A shorter reach into the work zone allows users to bring work closer without sacrificing safety. These are just some of the user focused ergonomic designs NuAire<sup>®</sup> incorporates into all our laboratory products.



\* As compared to an 8" (203 mm) access opening.



## NU-543 LabGard<sup>®</sup> AIR Class II, Type A2 Biosafety 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/ft<sup>2</sup> Fluorescent Lighting

### Safety Features:

- Large HEPA Filters
- Airflow / Window Alarms with ring back function
- Security Password Protection
- HEPEX Zero Leak Airflow System
- Metal Diffuser over Supply HEPA Filter
- NSF/ANSI 49, EN12469, UL, CE Listed

### 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-543-300	3 ft [0.9 m]	115 VAC / 60 Hz E: 230 VAC / 50 Hz-60 Hz	34 3/8 x 25 3/4 x 28 1/2 [873 x 654 x 724]	41 5/8 x 31 7/16 x 60 7/8 [1057 x 799 x 1546]	410 lbs [186 kg]
NU-543-400	4 ft [1.2 m]		46 3/8 x 25 3/4 x 28 1/2 [1178 x 654 x 724]	53 5/8 x 31 7/16 x 60 7/8 [1362 x 799 x 1546]	480 lbs [218 kg]
NU-543-500	5 ft [1.5 m]		58 3/8 x 25 3/4 x 28 1/2 [1483 x 654 x 724]	65 5/8 x 31 7/16 x 60 7/8 [1669 x 799 x 1546]	570 lbs [258 kg]
NU-543-600	6 ft [1.8 m]		70 3/8 x 25 3/4 x 28 1/2 [1788 x 654 x 724]	77 5/8 x 31 7/16 x 60 7/8 [1972 x 799 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

Single Ultra High Efficiency Motor  
FlowGard Electronic Control System  
IntelliFlow Airflow Control  
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  
10" [254 mm] Access Opening (NSF/ANSI 49, EN12469)  
Frame-less Sliding Tempered Glass View Screen  
External Fluorescent Lighting  
Ergonomic PVC Armrest  
Removable Work Tray  
Work Surface Support System  
Metal Diffuser Over Supply Filter  
Spill Trough with Drain Valve  
One Service Valve Right Side Wall  
One Service Coupling Right Side Wall  
Two Service Couplings Left Side Wall

### Power Cord

#### NSF/ANSI 49 Standard Features

3" (76 mm) Metal Frame Supply HEPA Filter 99.99% @ 0.3 Microns  
12" (305 mm) Metal Frame Exhaust HEPA Filter 99.99% @ 0.3 Microns  
Two Duplex Outlets (Back Wall)

#### EN12469 Standard Features

3" (76 mm) Metal Frame Supply H14 HEPA Filter 99.995% @ 0.025 MPPS  
12" (305 mm) Metal Frame Supply H14 HEPA Filter 99.995% @ 0.025 MPPS  
Two Outlets (Back Wall)

#### Optional Features and Accessories

Glass Sidelwalls  
12" (305 mm) Access Opening (NSF/ANSI 49)  
8" (203 mm) Access Opening (NSF/ANSI 49)  
Ultraviolet (UV) Light  
LED Lighting  
Additional Service Valves for Gas, Air, Vacuum  
IV Bar with 3 Locations, 6 Stainless Steel Hooks  
Exhaust Transition Canopy  
Back Wall Monitor Cutout

Storage Pull-Out Trays  
Lay in Sorbent Exhaust Filter  
Decorative Side Panels  
Stainless Steel Armrest  
Prop-up Work Tray  
Stainless Steel Window Edge Protector  
NSF Approved Cord Pass Through (Right and/or Left Sidelwall)  
Smooth Interior  
Plumbing Options:  
- Soft Copper  
- Black Pipe  
- Rigid Copper  
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)  
- Front Faring Outlets  
Seismic Brackets  
Base Stand  
- Telescoping Base Stand  
- Telescoping OSHPD OPM Rated\*  
- Telescoping Base Storage  
- Motorized  
Base Stand Options  
- Leg Levelers  
- Casters  
- 8" (203 mm) Shelf\*\*  
- 12" (305 mm) Shelf\*\*  
- Ergotron Monitor & Keyboard Mount  
\*Leg Levelers Only  
\*\*Telescoping Base Stand Only  
Custom Solutions



### Popular Accessories/Built-in Options



Telescoping Leg Leveler or Castor Base Stand



Motorized Base Stand



Prop Up Work Surface



Arm Rest Pads and Elbow Rests



Ultraviolet (UV) Light



Smooth Interior with Back Wall Monitor Cutout and Cord Pass Through



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