



FumeGard NU-162

Conventional Fume Hood

The FumeGard NU-162 is built primarily of stress-relieved polypropylene to which NuAire has added anti-oxidizing agents and UV stabilizers. This increases tensile strength and improves thermal characteristics. NU-162 has a single piece airfoil across the bottom of the work access opening. As the sash is lowered, the face velocity increases rapidly. Fumes, gases, vapors, aerosols, and particulate are drawn through vents by an exterior exhaust duct. "Double wall" construction forms the plumbing chase for routing and connecting all services. This compartment is under negative pressure to minimize fume build-up.

NU-162 FumeGard has been independently tested to meet and exceed the requirements of ASHRAE Standard 110-1995 and is SEFA 1-1992 certified.

Available in polypropylene, PVC, CPVC, Flame Retardant Polypropylene, PVDF, HDPE or Teflon® construction.

Standard Features

- Superstructure Constructed from 1/2" (13 mm) Stress Relieved, All Seam Welded Polypropylene
- All Negative Pressure Interior
- Sealed Interior Fluorescent Lighting: 100 Foot-Candles (1076 LUX)
- Electronic Fluorescent Lamp Ballast
- Counterbalanced Lexan® View Screen Slides 18" (457 mm) Maximum Opening to Fully Closing
- Flush Mounted Exterior/Interior Plumbing Chase Access Panels
- Connection Provided for Venting a Base Cabinet
- Removable Rear Baffle for Maintenance
- Reinforced 1/2" (13 mm) Thick Polypropylene Work Surface
- Lower Work Access Opening Airfoil
- PVC Electrical Junction Box
- Modular Electrical Component Construction

Optional Features

- PVDF Lined Interior or Flame Retardant Polypropylene Fume Hood
- Composition Stone/Modified Epoxy Resin Work Surfaces
- Air Flow Alarm Systems
- Remote Controlled Service Valves for Air, Vacuum, and/or N2 Available in Polypropylene. Other Options Available upon Request.
- Cascade or Single Rinse Tanks with/without Nitrogen Purge
- Rear Exhaust Duct Wash-down System
- Polypropylene, Teflon® or PVDF Gooseneck Faucets
- Custom Polypropylene Sinks with Chemically Resistant "P"-Trap
- Teflon®, PVDF, or Polypropylene Dip Tanks with/without Drains
- Polypropylene or PVDF Sinks with Hot/Cold or D.I. Water Faucets
- Teflon® Liquid/Air Aspirators to Syphon Chemicals
- D.I. Water or N2 Teflon® Spray Guns
- Exhaust Interlocks for Building Controls
- Polypropylene Exhaust Damper with Quadrant Lock
- Ground Fault Circuit Interrupter for Duplex Outlet(s)
- Additional Duplex Outlet(s) with PVC Covers

NU-162 Specifications

Overall Dimensions	4 ft Models	5 ft Models	6 ft Models	8 ft Models
Width	48 1/2" (1232 mm)	60 1/2" (1537 mm)	72 1/2" (1842 mm)	96 1/2" (2451 mm)
Depth (excludes removable canopy)	31 1/2"-37 1/2" (800-952 mm)	31 1/2"-37 1/2" (800-952 mm)	31 1/2"-37 1/2" (800-952 mm)	31 1/2"-37 1/2" (800-952 mm)
Height (includes exhaust collar)	60 1/2" (1537 mm)	60 1/2" (1537 mm)	60 1/2" (1537 mm)	60 1/2" (1537 mm)
Height (with base)	88 3/4" (2254 mm)	88 3/4" (2254 mm)	88 3/4" (2254 mm)	88 3/4" (2254 mm)
Work Area Dimensions				
Width	38 1/2" (978 mm)	50 1/2" (1283 mm)	62 1/2" (1588 mm)	86 1/2" (2197 mm)
Depth: 24" Work Surface	25 1/2" (648 mm)	25 1/2" (648 mm)	25 1/2" (648 mm)	25 1/2" (648 mm)
Depth: 30" Work Surface	31 1/2" (800 mm)	31 1/2" (800 mm)	31 1/2" (800 mm)	31 1/2" (800 mm)
Height	29" (737 mm)	29" (737 mm)	29" (737 mm)	29" (737 mm)
Shipping Weight*				
24" Work Surface	705 lbs (320 kg)	730 lbs (332 kg)	825 lbs (375 kg)	1265 lbs (575 kg)
30" Work Surface	756 lbs (344 kg)	839 lbs (381 kg)	900 lbs (409 kg)	1325 lbs (602 kg)
Airflow Characteristics				
Inflow Velocity	105 LFPM (0.53 m/s)	105 LFPM (0.53 m/s)	105 LFPM (0.53 m/s)	105 LFPM (0.53 m/s)
Exhaust Volume (window full open)	481 cFM (818 cMH)	631 cFM (1073 cMH)	781 cFM (1328 cMH)	1081 cFM (1838 cMH)
Exhaust Static	0.3" (8 mm) w.g.	0.4" (10 mm) w.g.	0.5" (13 mm) w.g.	0.8" (20 mm) w.g.
Exhaust Duct Opening	12" diameter (305 mm)	12" diameter (305 mm)	12" diameter (305 mm)	12" diameter (305 mm)
Electrical Requirements**				
Volts AC, 60 Hz	115	115	115	115
Optional 230 VAC	230 50 Hz	230 50 Hz	230 50 Hz	230 50 Hz
Lights (Amps)	1	1	1	1
Amps @ Optional 230 VAC	1/2	1/2	1/2	1/2
Outlet (Amps)	15	15	15	15
Amps @ Optional 230 VAC	10	10	10	10

* Includes fume hood base cabinet. The leg levelers, easy-to-clean handles, hinges and screws are all made of polypropylene. Each solid polypropylene door has adjustable ventilation air vents and is secured with an easy-to-open concealed magnetic latch.

** For electrical connections PVC junction box is provided.