

Nuairé FumeGard 162 Conventional Fume Hood

The FumeGard 162 Conventional Corrosive-Resistant Polypropylene Fume Hood is designed to capture, contain, and exhaust fumes, gases, vapors, mists, aerosols, and particulate matter generated within the hood interior.

Rating: Not Rated Yet

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Manufacturer [Nuairé](#)

Description

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Features

Durable Polypropylene Design

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. A double wall construction forms the plumbing chase for routing and connecting all services. This compartment is under negative pressure to minimize fume build-up.

Setting the Performance Standard

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

Applications for All

NuAire polypropylene products have been used in Chemical Engineering, Electrical Engineering, Material Science, Environmental Toxic Analysis, Analytical Chemistry, Metallurgy, Water Treatment Facilities, Toxicology, Trace Metal Analysis, Marine Science, Waste Management, Soil Science, Semiconductor, and more.

Superstructure Constructed from 1/2" (13 mm) Stress Relieved, All Seam Welded Polypropylene
All Negative Pressure Interior
Cool White Fluorescent Lighting
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• - ž2 (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
 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 Å“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

Specifications

Overall Dimensions	4 ft. (1.2 m)	5 ft. (1.5 m)	6 ft. (1.8 m)	8 ft. (2.4 m)
Width	48 ½" (1232 mm)	60 ½" (1537 mm)	72 ½" (1842 mm)	96 ½" (2451 mm)
Depth	31 ½" - •37 (800-952 mm)	31 ½" - •37 (800-952 mm)	31 ½" - •37 (800-952 mm)	31 ½" - •37 ½ (800-952 mm)
Height (includes exhaust collar)	60 ½" (1537 mm)	60 ½" (1537 mm)	60 ½" (1537 mm)	60 ½" (1537 mm)
Height (with base)	88 ¾" (2254 mm)	88 ¾" (2254 mm)	88 ¾" (2254 mm)	88 ¾" (2254 mm)
Work Area Dimensions				
Width	38 ½" (978 mm)	50 ½" (1283 mm)	62 ½" (1588 mm)	86 ½" (2197 mm)
Depth 24"	25 ½" (648 mm)	25 ½" (648 mm)	25 ½" (648 mm)	25 ½" (648 mm)
Work Surface	mm	mm	mm	mm
Depth 30"	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)
Work Surface	mm	mm	mm	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 fpm (0.53 m/s)	105 fpm (0.53 m/s)	105 fpm (0.53 m/s)	105 fpm (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	12 diameter	12 diameter	12 diameter	12 diameter

Opening (305 mm) (305 mm) (305 mm) (305 mm)
Light Intensity
foot-candles

Reviews

There are yet no reviews for this product.