

FumeGard NU-162 Conventional Fume Hood



The FumeGard NU-162 is a conventional fume hood featuring 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. This compartment is under negative pressure to minimize fume build-up mitigating any potential contamination risks and making it ideal for high acid use.

INDUSTRIES SERVED

Analytical Chemistry
Trace Metal Analysis
Water Treatment
Toxicology
Salt Water and Marine Science
Semiconductor Manufacturing
Food and Beverage

STANDARD FEATURES

- 1/2" (13 mm) Stress-relieved all seam-welded polypropylene work zone
- Counterbalanced clear polycarbonate view screen
- Smooth view screen movement with Kevlar® banding
- Flush-mounted exterior/interior plumbing chase access panel
- Connection provided for venting a base cabinet
- Removable rear baffle for maintenance
- Work surface is reinforced 1/2" (13 mm) thick polypropylene
- Lower work access opening airfoil
- PVC electrical junction box
- Modular electrical component construction
- All negative pressure interior
- Sealed (2) bulb LED lighting
- Rectangle to round exhaust connection
- Constant air volume

OPTIONAL FEATURES

- Remote-controlled service valves for air, vacuum, and/or nitrogen - available in PVC, PVDF, Teflon® or polypropylene*
- Cascade or single rinse tanks with/without nitrogen purge
- Remote controlled polypropylene, PVC or PVDF goose-neck faucets
- Polypropylene, Teflon® or PVDF gooseneck faucets
- Deionized water or nitrogen PVDF spray guns
- Teflon, PVDF, or polypropylene dip tanks with or without drains
- PVDF liquid/air aspirators to siphon chemicals
- Polypropylene exhaust damper
- Cup sink or custom size sinks, chemically-resistant P-trap
- Hospital grade GFCI electrical outlets
- Acid (vented) and flammable base cabinets
- TEL air flow monitor/alarm system
- Epoxy work surface
- ADA design configuration
- PVDF, Halar® lined interior or flame retardant polypropylene

*Metallic pipe/surface is Coated with 20 mil Thermoplastic Powder PolyArmor®

NU-162 Data Sheet

OVERALL DIMENSIONS

	4 FOOT	5 FOOT	6 FOOT	8 FOOT
Width	48 ½" (1232 mm)	60 ½" (1537 mm)	72 ½" (1842 mm)	96 ½" (2451 mm)
Depth 24"	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)
Depth 30"	37 ½" (952 mm)	37 ½" (952 mm)	37 ½" (952 mm)	37 ½" (952 mm)
Height (includes exhaust collar)	60 ½" (1537 mm)	60 ½" (1537 mm)	60 ½" (1537 mm)	60 ½" (1537 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)
Depth 30"	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)	31 ½" (800 mm)
Height	29" (737 mm)	29" (737 mm)	29" (737 mm)	29" (737 mm)

EXHAUST REQUIREMENTS

Inflow Velocity	105 lfpm	105 lfpm	105 lfpm	105 lfpm
Exhaust Volume (window full open)	481 cFM (13.62 cMM)	631 cFM (17.86 cMM)	781 cFM (22.11 cMM)	1081 cFM (30.61 cMM)
Static Exhaust	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" (304 mm) Diameter	12" (304 mm) Diameter	12" (304 mm) Diameter	12" (304 mm) Diameter

Concurrent Balance Value shall be used for design and balance exhaust/supply HVAC requirements.

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)

WARRANTY

1 Year Limited Warranty

ELECTRICAL REQUIREMENTS

Standard is 115 VAC, 60 Hz, 4-12 Amps depending on model
 CE Certified Standard is 230 VAC, 50 Hz, 5-6 Amps depending on model
 If more amperage is required, separate circuits can be provided at additional cost.
 PVC junction box is provided for electrical connections

STANDARDS

ASHRAE Standard 110-2016
 SEFA 1
 UL, UL-1805, UL-C
 CE

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