NUAIRE by LabAire Systems

FumeGard NU-156 Polypropylene Fume Hood

NU-156 FumeGard Vertical Laminar Airflow Workstation or Laminar Flow is designed to meet the strict requirements of NSF 49. This cutting-edge fume hood is equipped with a HEPA filtration system, ensuring optimal air quality within the enclosed workspace.

The vertical laminar airflow design effectively mitigates any potential contamination risks, 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

- HEPEX™ Zero Leak Air Flow System
- Large separatorless HEPA filters, 99.99% Efficient on 0.3 micron particles
- PVC diffuser over supply HEPA
- Flush-mounted exterior/interior plumbing chase access panel
- 1/2” (13 mm) Stress-relieved all seam-welded polypropylene
- Vented and plumbed spill trough plenum under work surface
- 1/4” (6 mm) Polycarbonate with Margard® view screen with 10” (254 mm) access opening at 105 lfpm
- Removable work surface
- PVC electrical junction box
- Front filter removal without removing view screen
- Polypropylene blower/HEPA filter module
- Sealed interior (2) bulb LED lighting to 100 fc
- Modular electrical component construction sealed in polypropylene case with access panel
- Solid state motor voltage regulator
- Rectangle to round exhaust connection

OPTIONAL FEATURES

- ULPA filters: 99.999% efficient on 0.12 micron particles
- Remote controlled service valves
- Magnehelic gauge to monitor supply plenum encased in polypropylene housing with window
- Additional duplex outlets with PVC covers
- Cascade rinse tanks with nitrogen purge
- Digital manometer/alarm
- Exhaust interlocks for building controls
- Deionized water or nitrogen PVDF spray guns
- Teflon, PVDF, or polypropylene dip tanks with or without drains
- Remote controlled polypropylene, PVC or PVDF goose-neck faucets
- PVDF liquid/air aspirators to siphon chemicals
- Fully perforated work surface (10% open)
- Polypropylene rectangle-to-round exhaust transitions
- Cup sink or custom size sinks
- Acid (vented) and flammable base cabinets

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

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NU-156 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" (includes light & duct)	37" (939 mm)	37" (939 mm)	37" (939 mm)	37" (939 mm)
Height: (includes pre-filter grille)	67 ⅛" (1705 mm)	67 ⅛" (1705 mm)	67 ⅛" (1705 mm)	67 ⅛" (1705 mm)

WORK AREA DIMENSIONS

Width	38 ½" (978 mm)	50 ½" (1283 mm)	62 ½" (1588 mm)	86 ½" (2197 mm)
Depth: 24" (work zone)	25 ½" (648 mm)	25 ½" (648 mm)	25 ½" (648 mm)	25 ½" (648 mm)
Depth: 30" (work zone)	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	100 fpm	100 fpm	100 fpm	100 fpm
Downflow Velocity	60 LFPM (0.30 m/s)	60 LFPM (0.30 m/s)	60 LFPM (0.30 m/s)	60 LFPM (0.30 m/s)
24" Work Surface Exhaust Volume	759 cFM (21.49 cMM)	995 cFM (28.17 cMM)	1232 cFM (34.88 cMM)	1705 cFM (48.28 cMM)
30" Work Surface Exhaust Volume	863 cFM (24.43 cMM)	1133 cFM (32.08 cMM)	1402 cFM (39.70 cMM)	1941 cFM (54.96 cMM)
Static Exhaust	0.8" (20 mm) w.g.	0.8" (20 mm) w.g.	0.8" (20 mm) w.g.	1.5" (38 mm) w.g.
Exhaust Duct Opening	10" (254 mm) Diameter	12" (305 mm) Diameter	12" (305 mm) Diameter	14" (356 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
NSF Standard 49 for Biological Safety Cabinets
Federal Standard 209e
CE

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