Purchase Specification for a Table Vertical Clean Flow Bench NU-126

The intent herein is to provide a concise statement of requirements for a premium quality Vertical Flow Console Clean Bench which may be used to augment your purchase request/order.

NuAire products utilize the proprietary HEPEX disposable inner pressure plenum , which eliminates the biggest problem in Laminar Airflow Equipment today - that of leakage through the HEPA Filter Seal. In fact, the Sandia Corporation, who invented the Clean Bench, recommends that any bench utilizing the sponge rubber gasket seal needs to be thoroughly checked for seal leakage if the cabinet "has been moved more than 3 feet". Experience with our HEPEX design has clearly demonstrated our capability to ship coast to coast and retain ISO std 14644 all the way.

NuAire cabinets provide smooth, uniform airflow, free from turbulence. True minimum air turbulence is achieved by having the workzone enclosure become an extension of the actual flow area of the HEPA filter. Thus, the uniform velocity, clean-filtered air flows outward like a huge piston in streamlines, divides on the work surface and exits via the front work access or rear perforated grill.

NuAire Clean Benches utilize transparent side panels to encompass a clean work zone. The panels provide good side visibility, effectively eliminating any feel of claustrophobia, and allows viewing by other personnel.

NuAire Sales Representatives will be pleased to explain the importance of the performance and control affected by each of the following requirements.

Specification for Vertical Flow, Table Model Clean Bench

1. Vertical Flow Console Clean Bench must employ the HEPEX, Absolute Air Filter System.

2. The HEPEX pressure plenum shall be disposable and fabricated of flameproof, antibacterial materials accepted by recognized authoritative agencies, such as the New York City Board of Standards and Appeals (Calendar No. 207-64-SM), California State Fire Marshall (FI-222), U.S. Coast Guard, U.S. Dept. of Commerce, and other regulatory authorities.

3. The HEPEX System shall be 99.99% efficient on removal of all aerosol particulate contaminants 0.3 microns and larger and shall meet or exceed the requirements of ISO std 14644 Air Quality.

4. The Vertical Flow Clean Bench shall contain fluorescent lamps hidden from direct operator view that will provide a lighting intensity of 200 foot-candles on the work surface.

5. The Vertical Flow Clean Bench shall contain an Instrument Panel providing:
   a. On/Off Switch for Motor Blower
   b. On/Off Switch for Fluorescent Lights
   c. Speed Control for Blower (recessed to prevent tampering)

6. The Vertical Flow Clean Bench shall be transportable through a 34-inch wide standard door and shall be completely serviceable from the front of the unit.

7. Cabinet finish shall be textured, baked white enamel for easy cleaning; work surface shall be white, high impact melamine plastic (or stainless steel, epoxy, or Corian® as purchasable option).

8. The Vertical Flow Clean Bench shall be so designed that field maintenance can be accomplished by replacement of a module incorporated with quick-disconnects.

9. Cabinet workzone shall be enclosed with Clear Acrylic side panels, Clear Polycarbonate Hinged Viewing Window, White Acrylic back wall.

10. Avail able in two models:

	NU-126-300	NU-126-400
Width	33" [808 mm]	45" [1143 mm]
Depth	22" [559 mm]	22" [559 mm]
Height	44" [1118 mm]	44" 1118 mm]

11. Optional Features include: Service valves fro Gas/Air/Vacuum; IV Bar w/six stainless steel hooks; Ultraviolet Lamp; Base Support Stands; Work Surfaces; Duplex Outlets

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