



Series 305

Horizontal Laminar Flow Clean Bench

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The Series 305 is a horizontal flow, recirculating temperature control clean bench. The unit can operate at or above ambient using make-up air for cooling, or it can have an air conditioning unit with reheat for temperature control at or below ambient.

The clean HEPA-filtered air flows outward from the cabinet. This horizontal laminar flow air washes out particulates and prevents contamination from entering the clean work zone. The cabinet features "clean edge" construction that puts the hood and table top in shear with the media edge of the HEPA filter. This reduces turbulence along the sides of the hood, improves the laminar flow, and prevents contamination infiltration around the perimeter of the hood. Top and bottom front grills recirculate the air within the bench.

Features

- ❖ Temperature control $\pm 1/2^\circ$ F
- ❖ Stainless steel table top
- ❖ Class 100 or Class 10
- ❖ Interior lighting
- ❖ Front access
- ❖ 120/208 power
- ❖ White painted-steel shell

Series 305 Horizontal Laminar Flow Clean Bench

Overview

The Series 305 clean bench cabinet has all-metal construction.

The table work surface is fabricated of stainless steel. This surface provides a durable, cleanable and attractive surface.

Two white fluorescent lamps, with energy efficient ballast, are provided to illuminate the work area. An on/off switch is provided for lamp control.

The work area hood assembly is fabricated of clear polycarbonate. The hood provides a controlled work area and assists in directional air flow.

Standard floor to table top height is 30 in. The length and height will depend on the process it is used for. Standard widths are 2-1/2 in. over nominal 3, 4, 5, 6, 8 increments and the interior depth (interior table or working space) of 21-1/2 in. The overall cabinet width, depth and height will depend on the size of unit chosen.

Cabinet

The Series 305 cabinets feature heavy 15 gage white painted exterior finish.

A unique "wrap-around" cabinet design is used to achieve excellent appearance and ruggedness through the exclusive use of metal components.

The clean HEPA filtered air flows horizontally from the cabinet. The cabinet puts the built-in table top in shear with the media edge of the HEPA filter.

The clean bench cabinet houses blower, motor, the HEPA or ULPA filter, fluorescent lights, on/off switches, circuit breakers and electrical junction box.

Most sizes fit through standard doors and hallways. See the attached drawing and chart for sizes on your specific model.

Filter

The final filter is 99.99% effective on 0.3 micron and larger particles. Standard final filters have an aluminum anodized frame, painted white metal faceguard and mini pleated filter media construction. Filters are removable through the table top enclosure area. Optional ULPA filters, 99.999% on .12 micron are available.

Negative Pressure Plenum for Final Filters: HEPA or ULPA

The negative pressure serves as a safety seal that prevents gasket leaks which can occur in positive pressured filter systems.

HEPA/ULPA Filter Replacement

The HEPA or ULPA filter are serviced from the rear of the unit.

Air Flow

The air flow for the unit is factory set at an average filter face velocity of approximately 90 FPM. This velocity is maintained by adjusting blower speed as filter pressure increases with over period of use.

Options

- Air conditioning may be required depending on the set temperature of the unit and the desired ambient temperature
- ULPA filters
- 120/208 3-phase
- Custom work surfaces
- Stainless steel shell

Guarantee

A written 1 year warranty is furnished with each clean bench.

Specifications subject to change. Please contact factory for details.