

Home Products Glove Boxes and Gas Purifiers Filtered Glove Boxes Precise HEPA-Filtered Glove Boxes 5220200

Precise HEPA-Filtered Glove Box



Catalog Number: 5220200

Qty:

[Request a Quote](#)

Key features

Region: U.S. and Canada

Filter Type: HEPA

Interior Working Width: 33.5"

Liner Material: Polyethylene

Number of Glove Ports: Two

Primary Application: Hazardous materials

Product Subcategory: Filtered Glove Box

[Filter Reminder Service](#)

[Download the Product Datasheet](#)

[Login to access file!](#)

Specifications

Description

Literature & Video

Accessories

Related Products

Precise HEPA-Filtered Glove Boxes have inlet and outlet HEPA filters and provide a leak-tight physical barrier to protect the operator from hazardous airborne particulates and powders. These boxes have uses in pharmaceutical research, nanotechnology and biochemistry. Microorganisms, low-level radiochemicals, chemical carcinogens and asbestos may also be used in these boxes.

These boxes may be used for cleanroom applications requiring ISO Class 3 (ISO 14644-1) conditions. Labconco HEPA Filtered Glove Boxes may be appropriate for use as containment isolators for applications involving compounds assigned ISO 4 and ISO 5 Banding Levels. Contact your Health and Safety Officer for specific Engineered Containment Device requirements.

Features

- One-piece molded, medium-density polyethylene shell. Labconco recommends this website for a comprehensive listing of chemical resistance data for polyethylene.
- Dry powder epoxy-coated steel superstructure
- 1/4" thick laminated safety glass viewing window, 26.4" wide x 12.5" high, removable for loading equipment, with powder-coated steel frame and neoprene gasket
- Space-saving inner and outer transfer chamber doors that pivot upward, are counterbalanced and equipped with quick-latches
- Black, chemical-resistant work surface sealed to the glove box floor

Categories



Ductwork and Blower Accessories

Labconco offers a full line of ductwork, filter packs and transition pieces to complete your exhaust system.



Glove Box & Gas Purifier Accessories

Numerous glove box and gas purifier accessories are available to fit your specific application.



Other Accessories

Find miscellaneous accessories, such as the Ergonomic Chair, and accessories for other products such as the Vacuum Desiccator.

- Interior ceiling-mounted electrical duplex receptacle with 5 amp maximum circuit load
- Neoprene gloves, size 9 3/4", are included.
- Built-in blower with speed control capable of airflow from 13 CFM to 75 CFM.
- Fluorescent lamp, 22 watts, with easy replacement from the top
- Switches for light, blower and innermost interior electrical receptacle
- Inlet and outlet HEPA filters, 99.99% efficient on 0.3 micron particulates
- Test port for challenging HEPA filter integrity
- Main chamber static pressure gauge for monitoring HEPA filter loading.
- Approximately 13 cubic feet of interior space in main chamber
- 11.0" nominal ID x 12.0" long transfer chamber
- Factory leak tested with a mass spectrometer while glove box is pressurized with helium at 5 inches of water gauge.
- No detectable leaks greater than 1×10^{-3} ml/sec
- Meet Class 1 atmosphere containment conditions for oxygen leak rates per ISO 10648-2 test method
- Transfer chamber interior interlocking shelf of dry powder epoxy-coated steel
- 0.05 ppm average tracer gas levels or less detected during perimeter scan testing (surpasses ASHRAE 110 standards)
- Airborne particulate cleanliness (measured under positive and negative pressures per ISO 14644-1 test method) exceeds ISO Class 5 conditions (equivalent to Class 100) and achieved ISO Class 3 conditions (equivalent to Class 1) at both minimum and maximum operational airflow volumes
- Vibration less than 1.5×10^{-5} inches displacement measured at the work surface at both minimum and maximum airflow volumes
- ETL listed (115 volt models)
- CE Conformity (230 volt models)

Options

- International electrical configurations

Required Accessories

- Adjustable Height Base Stands
- Base Cabinet
- Work Surface

Optional Accessories

- Acrylic Viewing Window
- Add-A-Valve Kit
- Anti-Static Ionizer Fan
- Balance Vibration Isolator
- Blower Foot Switch
- Complete Valve Set
- Diaphragm Pumps
- Electrical Power Strips
- Exterior Transfer Chamber Shelf
- External Glove Port Covers
- FilterMate Portable Exhausters
- Gloves and Glove Box Accessories