

## Overview

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XPert Weigh Boxes are glove boxes designed for use in pharmaceutical research, nanotechnology, biochemistry and in cleanroom applications requiring ISO Class 3 conditions. Their inlet and outlet HEPA filters provide a leak-tight physical barrier to protect the operator from hazardous airborne particulates and powders. Their uses include handling hazardous particulates and powders, microorganisms, low-level radiochemicals, carcinogens and asbestos.

These isolators include an anti-static ionizer fan to reduce static charge and a balance vibration isolator, both useful during weighing operations.

**Catalog Number:** 5220300

## Specifications

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- **Weight:** 350.0 lbs
- **Weight metric:** 159.0 kg
- **Dimensions:** 52.7" w x 31.6" d x 40.0" h
- **Dimensions metric:** 134 x 80 x 102 cm
- **Electrical:** 100-115 V, 60 Hz, 8 amps
- **Region:** U.S. and Canada
- **Built-In Options:** None
- **Conformance:** CAN/CSA C22.2 No. 1010.1, ETL, UL 3101-1/61010-1
- **Filter Type:** HEPA
- **Interior Working Width:** 33.5"
- **Liner Material:** Polyethylene
- **Number of Glove Ports:** Two
- **Power Cord & Plug:** 115 volts, 8 amps
- **Primary Application:** Hazardous materials
- **Product Subcategory:** Filtered Weigh Box
- **Required Accessories:** Supporting Base
- **Type:** Weigh Box

# Description

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## 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
- Anti-static ionizer fan to circulate ionized air inside the box to reduce static charge during weighing
- 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  $1 \times 10^{-3}$  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  $1.5 \times 10^{-5}$  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
- Hanging Shelf Accessories
- Positive Pressure Conversion Kit
- Recirculation Kit
- Remote Blowers
- Storage Shelf Kits
- Trap Inserts
- Waste Chute