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Protector Filtered Glove Boxes

Protector Filtered Glove Boxes provide inlet and outlet HEPA or ULPA filtration and a leak-tight physical barrier to protect the operator from exposure to potentially hazardous materials.

These glove boxes feature particulate containment <20 nanograms per cubic meter as confirmed by Safebridge Consultants, Incorporated and also meet ISO Class 3 standards. Labconco HEPA Filtered Glove Boxes may be appropriate for use as containment isolators for applications that include compounds assigned OEB 4 and OEB 5 Banding Levels. Contact your Health and Safety Officer for specific Engineered Containment Device requirements.

Additional Features & Specifications

Features

- Particulate containment <20 nanograms per cubic

meter as confirmed by SafeBridge Consultants, Incorporated.

- Fast “clean up time.” 0.05 ppm average tracer gas levels or less detected during perimeter scan testing (surpasses ASHRAE 110 standards) after 5 minute dilution.
- 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 achieves ISO Class 4 conditions.
- Factory leak-tested with a mass spectrometer while pressureized with helium at 1 inch of water gauge. No detectable leaks greater than 1×10^{-6} ml/sec.
- Inlet and outlet particulate (HEPA or ULPA) filters to prevent contaminants from entering or leaving the glove box chamber.
- Test port for challenging HEPA or ULPA filter integrity.
- True Bag-In/Bag-Out Filter Disposal System for safe filter removal and replacement.
- LCD display provides real time monitoring of volume dilution rates in cubic feet per minute (CFM), air changes/minute (ACM), and main chamber pressure (inches of water).
- Built-in blower with speed control capable of airflow from 15 CFM to 85 CFM.
- Large viewing area, 36” w x 27.6” high, provides maximum visibility. Viewing window is 3/8” thick, laminated safety glass.
- Space-saving inner and outer transfer chamber doors that pivot upward, are counterbalanced and equipped with quick-latches.
- Interior right-hand side wall-mounted pass-through plug for on-site installation of an optional accessory: electrical outlet, RS-232 port, gas/liquid port, or port for oxygen or moisture monitor.

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- Switches for light, blower and electrical duplex.
- Two 8" ID, epoxy-coated aluminum double-grooved glove ports mounted 17" apart, with neoprene gaskets.
- Two 25-watt fluorescent lights that exceed 100 footcandles.
- Dry-powder epoxy-coated, 18 and 20 gauge steel exterior panels.

Options

- Chemical resistant, one-piece molded fiberglass liner or type 304 stainless steel liner
- Clear acrylic inner and outer transfer chamber doors (fiberglass-lined models)
- Type 304 stainless steel inner and outer transfer chamber doors and front panel (stainless steel-lined models)
- Inlet and outlet HEPA (fiberglass-lined models) or ULPA (stainless steel-lined models) filters
- Protector Stainless Steel Double Filtered Glove Boxes have 81.84" of interior working width and four glove ports
- International electrical configuration

Required Accessories

- Adjustable Height Base Stands

Optional Accessories

- Balance Vibration Isolator
- Anti-Static Ionizer Fan
- Gloves and Glove Box Accessories
- HEPA Inlet or Exhaust Filter

[Protector Fiberglass Filtered
Glove Box](#)



Catalog # 5065010

Region: U.S. and Canada

Filter Type: HEPA

Interior Working Width: 35.0"

Liner Material: Fiberglass

Number of Glove Ports: Two

Power Cord & Plug: North America,
100-115 Volts

Primary Application: Hazardous
materials

Product Subcategory: Filtered
Glove Box

[Protector Fiberglass Filtered
Glove Box](#)



Catalog # 5065035

Region: International

Filter Type: HEPA

Interior Working Width: 35.0"

Liner Material: Fiberglass

Number of Glove Ports: Two

Power Cord & Plug: Schuko

Primary Application: Hazardous
materials

Product Subcategory: Filtered
Glove Box

[Protector Fiberglass Filtered
Glove Box](#)



Catalog # 5065045

[Protector Fiberglass Filtered
Glove Box](#)



Catalog # 5065031

Region: International

Filter Type: HEPA

Interior Working Width: 35.0"

Liner Material: Fiberglass

Number of Glove Ports: Two

Power Cord & Plug: British (UK)

Primary Application: Hazardous
materials

Product Subcategory: Filtered
Glove Box

[Protector Fiberglass Filtered
Glove Box](#)



Catalog # 5065040

Region: International

Filter Type: HEPA

Interior Working Width: 35.0"

Liner Material: Fiberglass

Number of Glove Ports: Two

Power Cord &

Plug: China/Australia

Primary Application: Hazardous
materials

Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Double
Filtered Glove Box](#)



Catalog # 5065512

Filter Type: HEPA
Interior Working Width: 35.0"
Liner Material: Fiberglass
Number of Glove Ports: Two
Power Cord & Plug: North America,
208-230 Volts
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Double
Filtered Glove Box](#)



Catalog # 5065533

Region: International
Filter Type: ULPA
Interior Working Width: 81.8"
Liner Material: Stainless Steel
Number of Glove Ports: Four
Power Cord & Plug: British (UK)
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Double
Filtered Glove Box](#)



Catalog # 5065542

Region: International
Filter Type: ULPA
Interior Working Width: 81.8"
Liner Material: Stainless Steel
Number of Glove Ports: Four
**Power Cord &
Plug:** China/Australia
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Filtered](#)

Filter Type: ULPA
Interior Working Width: 81.8"
Liner Material: Stainless Steel
Number of Glove Ports: Four
Power Cord & Plug: North America
100-115 Volts
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Double
Filtered Glove Box](#)



Catalog # 5065537

Region: International
Filter Type: ULPA
Interior Working Width: 81.8"
Liner Material: Stainless Steel
Number of Glove Ports: Four
Power Cord & Plug: Schuko
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Double
Filtered Glove Box](#)



Catalog # 5065547

Region: U.S. and Canada
Filter Type: ULPA
Interior Working Width: 81.8"
Liner Material: Stainless Steel
Number of Glove Ports: Four
Power Cord & Plug: North America
208-230 Volts
Primary Application: Hazardous
materials
Product Subcategory: Filtered
Glove Box

[Protector Stainless Steel Filtered](#)



Region: U.S. and Canada
Filter Type: ULPA
Interior Working Width: 35.0"
Liner Material: Stainless Steel
Number of Glove Ports: Two
Power Cord & Plug: North America, 100-115 Volts
Primary Application: Hazardous materials
Product Subcategory: Filtered Glove Box

[Protector Stainless Steel Filtered Glove Box](#)



Catalog # 5065535

Region: International
Filter Type: ULPA
Interior Working Width: 35.0"
Liner Material: Stainless Steel
Number of Glove Ports: Two
Power Cord & Plug: Schuko
Primary Application: Hazardous materials
Product Subcategory: Filtered Glove Box



Catalog # 5065531

[Protector Stainless Steel Filtered Glove Box](#)



Catalog # 5065540

Region: International
Filter Type: ULPA
Interior Working Width: 35.0"
Liner Material: Stainless Steel
Number of Glove Ports: Two
Power Cord & Plug: China/Australia
Primary Application: Hazardous materials
Product Subcategory: Filtered Glove Box

[Protector Stainless Steel Filtered Glove Box](#)



Catalog # 5065545

Region: U.S. and Canada
Filter Type: ULPA
Interior Working Width: 35.0"
Liner Material: Stainless Steel
Number of Glove Ports: Two
Power Cord & Plug: North America, 208-230 Volts
Primary Application: Hazardous

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