

CHAMBERS AND GLOVE BOXES

Compact Glove Boxes With HEPA Filtration

We offer three (3) models of the **#830-SERIES** glove boxes featuring HEPA filtration packages. There are two (2) different versions available. Refer to listings 1 & 2 below. **NOTE: All three models include the same basic #830-Series features and are available in four (4) sizes.**

“Closed Loop Style” CLC Style.

This system continually re-circulates and filters the internal atmosphere of the glove box. It is a negative pressure containment unit. Magnehelic™ gauges indicate both inner chamber pressure and pressure drop levels across the filters. These gauges indicate when it is time to change the HEPA filters. Add 15.5” (395 mm) to the overall height of this style glove box.

What’s included with the “Closed Loop” CLC-Style glove box:

- Totally enclosed blower (fan) unit.
- Two (2) cylindrical 8” inch Ø (203 mm) HEPA filters.
- Two (2) Magnehelic gauges. Domestic models in Inches of H₂O and Export in Pascals.
- All necessary hoses and connections.
- Non-Hydroscopic pre-filters.
- Standard 24 month warranty (Not gloves or consumables).

“Open Exhaust Style” (Two filter versions)

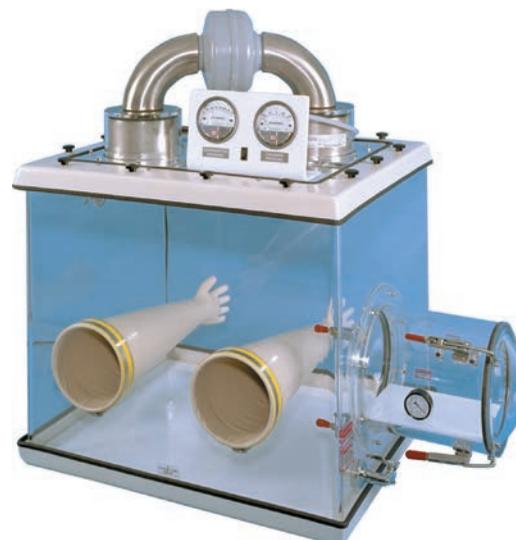
These glove boxes draw the ambient room atmosphere through a HEPA filter and then into the chamber. Both versions are set up for negative pressure operations. Exhaust atmosphere is filtered through a HEPA or 5µ (micron) glass media filter. The “open exhaust” outlet can be set up to connect to your house exhaust system. Please specify a **#800-VENT** outlet accessory.

1. Catalog #800-HEPA/S (Single HEPA) and glass media exhaust filter).
2. Catalog #800-HEPA/D (Double HEPA filters).

HEPA filter efficiency: .3µ @99.9997%

Variations in different types of filters are:

1. HEPA's
2. ULPA's
3. Activated Carbon (Charcoal) Four (4) different compositions. Refer to page 25.



830-ABB/CLC (Closed-Loop Glove Box)

830-ABB/CLC/Exp, Export Model



1.

830-ABC/SPCL/800-HEPA/S (Open Exhaust)



2.

830-ABC/SPCL/800-HEPA/D (Open Exhaust)

CHAMBERS AND GLOVE BOXES

“Integrity” Stainless Steel Glove Box for Multiple Operators

Our 819-SS/GBB style Glove Box includes all of the same features as our 819-SS/GB, but it has greater capacity. The 819-SS/GBB includes four (4) gloves for multiple operators.



819-SS/GBB

819-SS/GBB/Exp, Export Model



819-SS/GBB in open position

Optional Accessories for the 819-Series



819-SS/GB/SP, Special 819-Series Glove Box

819-SS/GB/SP shown with extra transfer chamber (800-TRANS/CH) and double HEPA filtration package (800-HEPA/D)

Rapid Transfer Port



The RTP, “Rapid Transfer Port” provides containment during material transfer. For use with stainless steel transfer canister.



Rapid Transfer Port

Distributed by:

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Accessories for all Chambers and Glove Boxes: HEPA Filtration Variations & Components



800-HEPA/S (External view with exhaust outlet connector.)

Additional Filtration components (not shown).

#CF-50/9 Carbon Filter “Spun Media” pad, 9”Ø, (229mm Ø) Color black. Twelve (12) per package.

#GF-50-B9 Glass media Filter Pad ,9”Ø (229mm Ø) Color pink, five (5 µ) microns. Twelve (12) per package.

#MF-50/9 Spun Polypropylene Pre-filter Pad, 8”Ø (203mm Ø) diameter. Color white, point four (.4 µ) microns. Twelve (12) per package.



800-HEPA/S with filter access door open. Internal view (when changing filters)

Special Carbon filter types available

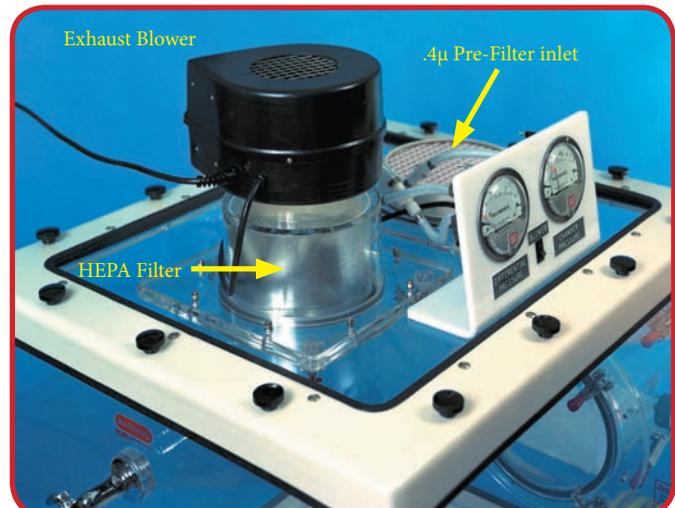
#800-CARBON/A Replacement Carbon Filter (8”Ø) (203 mm) diameter. One (1) per package. Impregnated Carbon Filter for alkaline type fumes.

#800-CARBON/B Replacement Carbon Filter (8”Ø) (203 mm) diameter. One (1) per package. Impregnated Carbon Filter for ammonia or amines.

#800-CARBON/C Replacement Carbon Filter (8”Ø) (203 mm) diameter. One (1) per package. Non-Impregnated Carbon Filter for absorption of aromatic hydrocarbons, organic vapors, keytones, alcohols, organic acids, esters, Nitrogen compounds, and odors.



800-HEPA/D. Open exhaust (double) HEPA filtration system.



800-HEPA/S Typical single filter set-up on the 830-Series Glove Box