

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.



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)

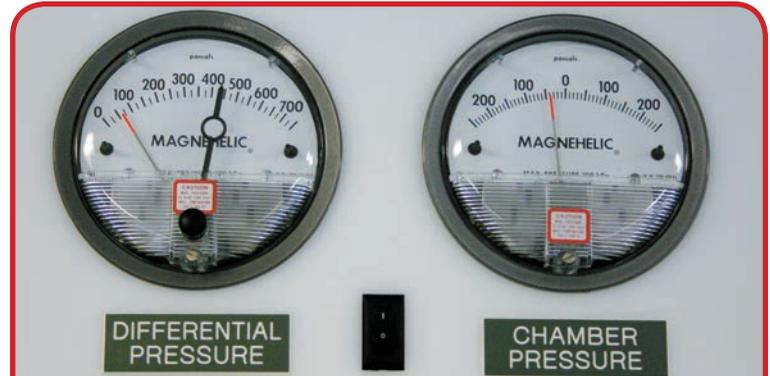
Accessories for all Chambers and Glove Boxes: HEPA Filtration Variations & Components

We offer HEPA filtration setups in several different configurations depending upon your application need. All setups include our #800-MAGNA, Magnehelic Gauge indicators.

HEPA filters can be in the following shapes:

- A. **Round.** Catalog #800-H8. Our standard “Multi-Purpose” filter.
- B. **Rectangular.** For PCR and special isolators.
- C. **Canister** (Capsule). Catalog #800-HEPA/P. For filtering pressure overflows.

NOTE: Our Carbon (Charcoal) filters can also be mounted onto our HEPA filters. Four (4) styles available. Refer to photo on this page.



800-MAGMA/Exp, Magnehelic Gauge (In Pascals) Export
800-MAGMA, Magnehelic Gauge (In Inches of H2O)

These gauges are used to monitor filter effectiveness and efficiency. They indicate when it is time to change your filter(s).



800-HEPA/P Canister (Capsule Style)

Can be used for chamber pressure overflow and/or mounted on our diaphragm pump.

Traps impurities before they can be exhausted into the room atmosphere.



Typical Carbon (Charcoal) filter. Four (4) Carbon compositions available.

800-H8 Typical round HEPA (replacement) filter. Eight (8") OD.



800-HEPA/P mounted on 800-PUMP



800-HEPA/S (Single HEPA filter set-up)

The single filter set up includes 8"Ø (203 mm) HEPA filter, .4 µ micron pre-filter, blower (fan), mounting plates, and #800-MAGNA set.

Electrical requirements for all products this page:
North American: 115-120 Volts 60 Hz. 5 Amps.
International (Export): 220-240 Volts 50 Hz. 2.5 Amps.

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

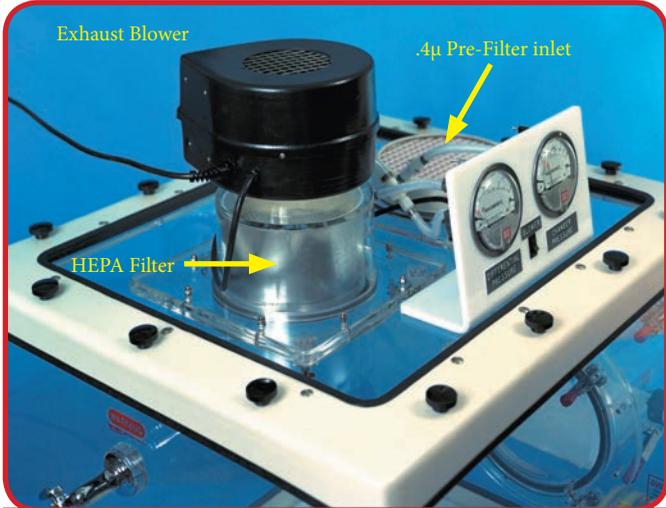
#800-CARBON/A Replacement Carbon Filter (8”Ø) (203 mm) diameter. One (1) per package. Impregnated Carbon Filter for alkaline type fumes.

#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