

# CHAMBERS AND GLOVE BOXES

## BASIC GLOVE BOXES



Our catalog #818-GB style glove boxes are designed to be just what they are named, “Basic.” This is a simple enclosure that can be used for general isolation or containment work. They are very useful for isolating sensitive research materials from a hostile exterior environment.

These units are engineered to fit general laboratory research situations. They can be easily modified for specific research projects.

These are “starter” glove boxes upon which many accessories can be attached allowing for specific research projects. For unique research applications, please refer to Page #11 and our “Accessories Section” of this catalog.

These units are compact, portable, light weight, and can easily be moved from lab to lab.



#818-GB & #818-GB/EXP Basic Glove Box

### Product Specifications

Product Data	#818-GB #818-GB/EXP	#818-GBB #818-GBB/EXP
I.D.	41”w x 28”d x 26”h 1,040 mm x 710 mm x 660 mm h	60”w x 38”d x 31”h 1,520 mm x 960 mm x 790 mm h
O.D. Includes Transfer Chamber	55”w x 35”d x 27”h 1,400 mm x 890 mm x 685 mm h	76”w x 47”d x 32”h 1,930 mm x 1,190 mm x 812 mm h
Approximate Volume	17.3 Cubic Ft. 489 Liters	40.9 Cubic Ft. 1,157 Liters
Approximate Shipping Wt. (Crated)	250 Pounds 113 Kilos	300 Pounds 135 Kilos

### Basic Features that are included:

- Standard 24 month warranty (Not gloves or consumables).
- Formed one piece clear acrylic top section with rounded “Easy Clean” corners.
- Matched die molded white thermoset bottom with rounded “Easy Clean” corners.
- White ambidextrous Hypalon™ gloves.
- All clamps are adjustable to compensate for wear.
- The front sloped viewing panel minimizes glare.
- Vacuum gauge on transfer chamber.
- Four (4) ground key cock valves for purging.
- Transfer chamber leveling tray for handling liquids.
- The transfer chamber is 12” (305 mm) long x 11” (280 mm) I.D.
- Hospital grade multiple electric outlet (socket) strip. UL, CSA, & CE approved (Domestic 12 Amp rating).

### Did you Know?

The acceptable leak rate (on volume) for glove boxes is .05% per hour. This is an established standard by The American Glove Box Society.

### Electrical requirements:

North American 115-120 Volts, 60 Hz. 12 Amps.  
Export models 220-240 Volts, 50 Hz. Amps will vary as to the end users country.

**NOTE:** Clear PVC or PETG units are also available for “VHP” sterilization needs. Two (2) “Banjo™” type attachment fittings are included and mounted on the glove box. This is a special quote item. Refer to pages #40 and #46.

# CHAMBERS AND GLOVE BOXES

## BASIC GLOVE BOXES FOR MULTIPLE OPERATORS



Our catalog #818-GBB style Glove Box includes all the same features as the #818-GB, but it has greater capacity. It features a clear transparent bottom section and two (2) pairs of white Hypalon™ gloves for two (2) operators.

This is a very nice glove box for operators working in tandem (up to four [4] scientists). Refer to page #12 for product specifications.



Some optional accessory suggestions (Refer to Accessories Section).

- H.E.P.A. Filtration systems to  $.3\mu$  @ 99.99%.
- Activated carbon (charcoal) filters.
- Static control/elimination systems.
- Oxygen analyzer unit.
- Germicidal (U.V.) sterilization light package.
- Additional glove ports (Up to four [4] operators).
- Computer interface ports (Blanking plates).
- Flow meters.
- Iris diaphragms for bare hand entry.
- Light sensitive units.
- Atmosphere drying set up with vacuum pump.
- Additional ground key cock valves (For inert gases).
- Cushioned transport support cart (trolley) with gas tank storage track.
- Catalyst heater unit to reduce Oxygen.
- Milled Neoprene gloves for increased sensitivity.
- Glove port plugs for damaged glove change over.
- Ten (10") inch  $\varnothing$  (254 mm) gloves and ports.
- The "Bright Light" illumination system (40,000 hour lamp warranty).
- Exhaust outlet for your house exhaust system.
- "VHP" sterilization requirements (With "Banjo™" fittings).
- Suspended shelf packages for increased culture dish capacity. Refer to page #38.

#818-GBB (Domestic Model)

#818-GBB/EXP (Export Model)

Refer to page #12 for specifications.

Some possible applications.

- Pharmaceutical Research Labs.
- Bio-Tech Research Facilities.
- Animal Science Research.
- Clean Room Facilities.
- Waste Management Research.
- Micro-Electronics Assembly.
- Chemical Company Labs.
- Plasma Welding Applications.
- Nano Technology Enclosures.
- Universities & Medical Schools.
- Industrial/Contract Research Applications.
- Microbiology (Anaerobic) Studies.
- Food Science Research.
- Toxicology, Biology, Geology, Zoology & Pharmacology Applications.

**Did you Know?**  
One (1) Cubic Foot  
is equal to 28.3  
Liters in volume.

**NOTE:** Documentation for I.Q., O.Q. and F.A.T. requirements are now available from Plas-Labs. Refer to page #27. Contact us for complete details.