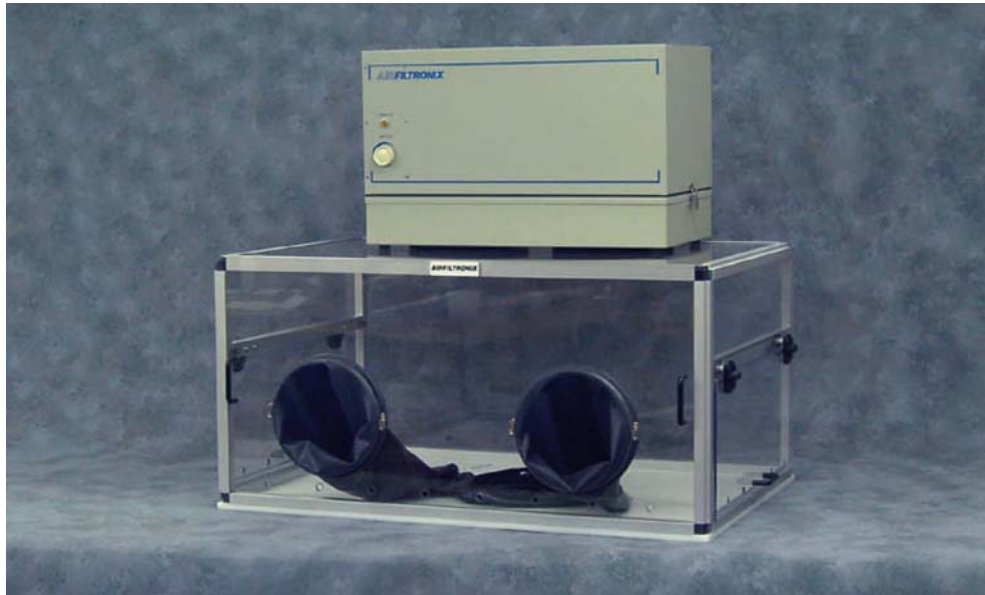


GB-36

Glovebox Biosafety Enclosure

Assembly and Installation Instructions



Before assembly please check the contents of your packages following the enclosed instructions.

The GB-36 unit comprises:

1. Combined blower unit and filter housing
2. HP-2 HEPA Filter
4. PF-2 Dacron prefilter
5. AC line cord with medical grade plug
(inside blower housing)
6. 1 set 14" neoprene gloves
7. 1 set glovebox gloves

No tools are required for assembly

AIRFILTRONIX
CLEAN AIR FOR INDUSTRY, MEDICINE & RESEARCH

GB-36 Glovebox Biosafety Enclosure Installation Instructions

1. Unpack the enclosure and check for shipping damage. Place on table or portable cart approximately 32-34" high. Ensure that there is sufficient access for either side of the enclosure for insertion and removal of mail (approximately 24" on either side)
2. Unpack the HS3000 blower unit and place on top of enclosure allowing the two 8" openings in underside of blower to sit over the two 8" collars with closed cell gaskets on top of the enclosure. On/Off motor and speed control should be facing the front of the unit. Check that the blower unit sits snugly on top of the gasket seals to avoid any possibility of leakage.
3. Unsnap latches on either side of the blower enclosure and lift the blower unit off its base. Remove the line cord packaged inside the enclosure and loosen the wingnuts on either side of the compression bar until the bar can be lifted approximately 5 inches above the filter frame. Unpack the PF-2 prefilter and lift the compression bar. Install PF-2 into the filter frame with its gasketed side down.
4. Carefully unpack the HP-2 HEPA filter ensuring that you do not damage the pleated material visible from either side of the filter. **Caution** The surfaces of this filter have been thoroughly inspected prior to packing and laser D.O.P. tested for efficiency. Any damage to the pleated surface can render this filter ineffective.
5. Lift up the compression bar and install the HEPA filter on top of the prefilter gasketed side down ensuring that it sits squarely over the top of the prefilter.
6. Tighten down both sides of the compression bar evenly with the wingnuts until the bar bends upward approximately 1/4 inch in the middle.
7. Re-install the motor housing on top of the filter mounting base and retighten latches on either side of the enclosure.
8. Attach the power cord to the input connector on the left side of the motor housing and connect to any suitable 110V outlet (220V model is available to special order).
9. After visual examination for holes or cuts, attach the long pair of gloves to the ports on the front of the enclosure using the 8" hose clamps provided. Ensure correct installation of left and right gloves with thumbs uppermost. Roll the cuffs of both gloves back until they fit tightly over the collar and attach the clamps. Do not overtighten the clamps as damage may occur to the collars on the front panel.
10. If the LK-1 Light Kit was ordered, place on top of the enclosure just in front of the blower unit and fix in place with the adhesive backed velcro strips provided. Attach the line cord to any suitable 110V AC outlet.
11. If the AL-1 Airflow Alarm was ordered it is installed on the floor in the front left hand corner of the enclosure with the velcro tape provided. The 12V supply from the wall mounted transformer is threaded into one of the holes on the rear of the enclosure and routed through the cable clips attached to the lower bar on the left hand side of the enclosure. The airflow sensor on top of the Airflow Alarm should be in direct line with the 1" diameter hole in the door panel.

Mail Handling Procedures

When handling suspected mail use the 14" neoprene gloves provided and place inside the enclosure through the doors on the left or right side. Keep doors closed after installing or removing mail. The blower system should be left running at all times to ensure no material can escape without passing through the HEPA filtration system. When opening suspicious mail in the glovebox always use the neoprene gloves attached to the front of the enclosure and inspect the gloves regularly for any cuts or tears. If found, discard immediately and replace with new ones. Use all precautions to prevent sharp objects from puncturing the gloves and use safety letter openers to open regular mail.

In the event that any suspicious materials are found:

1. Do not remove any materials from the enclosure.
2. Do not turn off the blower.
3. Remove hands from glovebox and wash immediately.
4. Follow attached CDC protocol to report suspected bioterrorist incident.

Filter Replacement

If filters are suspected of being contaminated do not attempt replacement. Contact a licensed decontamination specialist or call our engineering department for assistance.

Use gloves and tight fitting HEPA filtered face mask when replacing a HEPA or prefilter that is not suspected of being contaminated. Do not touch the surfaces of the filter. Double bag the filter and dispense of as regular waste.

Wash hands thoroughly after filter replacement.

Sterilize outer surfaces of glove with

Cabinet Cleaning

Unless contaminated the surfaces of the enclosure can be cleaned with a solution of mild soapy water or Windex™ type glass cleaner.

The following information has been provided by the United States Postal Service and Center for Disease Control

What should make me suspect a piece of mail?

- It's unexpected or from someone you don't know.
- It's addressed to someone no longer at your address.
- It's handwritten and has no return address or bears one that you can't confirm is legitimate.
- It lopsided or lumpy in appearance.
- It's sealed with excessive amounts of tape.
- It's marked with restrictive endorsements such as "Personal" or "Confidential".
- It has excessive postage.

What should I do with a suspicious piece of mail?

- Don't handle a letter or package that you suspect is contaminated.
- Don't shake it, bump it, or sniff it.
- Wash your hands thoroughly with soap and water.
- Notify local law enforcement authorities.

Regular Maintenance

Under normal use the blower unit, which has a sealed bearing, should provide many years of uninterrupted use. There are no user serviceable parts in the blower unit housing. The prefilter should be removed and checked every 3-4 months and replaced or cleaned when necessary.

The HEPA filter should be checked for performance and replaced on a one or two year basis depending on its flow rate.

Safety Procedures

There is a risk that internal parts of model HS-3000 blower unit may be contaminated with whatever substance the filter is intended to remove. Extreme caution is urged before opening blower housing for servicing. If dangerous dust particles have been introduced into the hood, every precaution should be taken before opening up blower/filter housing. In the case of ASBESTOS, ACTINOLITE and other toxic dust, half mask respirators and impermeable gloves should be worn to protect against any possible toxic dust which may become airborne.

Used filters should be placed in impermeable bags for disposal in accordance with local regulations.

For further information, call or write the Occupational Safety and Health Administration, Department of Labor, Washington, DC (410) 865-2055 or your local health department.

Warranty

Airfiltronix warrants this product for one year from date of purchase. We will repair without charge, or replace at our discretion, any defects due to faulty material or workmanship. Please return the unit in original packaging or suitable equivalent, transportation prepaid and insured directly to us. This warranty does not apply to filters, accessories or damage caused by improper repair or unauthorized repairs attempted by anyone other than by manufacturer.

For the name of your local representative contact:

AIRFILTRONIX

CLEAN AIR FOR INDUSTRY MEDICINE & RESEARCH

154 Huron Avenue, CLifton, New Jersey 07013

800-452-8510 • PHONE: 973-779-5577 • FAX: 973-779-5954

www.airfiltronix.com • e-mail: airfiltronix@aol.com

