

BE-1 Balance Enclosure

Assembly and Installation Instructions



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

The BE-1 Balance Enclosure comprises:

1. Combined blower unit and filter housing
2. Enclosure
3. Filters - 1 HP-2 HEPA Filter and any other filter ordered (optional). (see Appendix A)
4. AC line cord with medical grade plug
(1 - inside blower housing)

No tools are required for assembly

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BE-1 Enclosure Installation Instructions

1. Unpack the enclosure and check for shipping damage. Place on table or portable cart approximately 32-34" high. (see Figure 1).
2. Unpack the HS3000 blower unit(s).

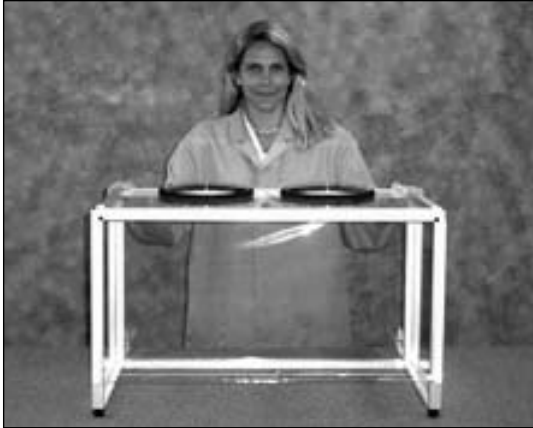


Figure 1



Figure 2

3. Unsnap latches on either side of the blower enclosure (see figure 2) and lift the blower unit off its base (see figure 3). 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 4-5 inches above the filter frame (see figure 4). Place blower base on top of enclosure allowing the two 8" openings in underside of blower base to sit over the two 8" collars with closed cell gaskets on top of the enclosure.



Figure 3



Figure 4

Check that the blower base sits snugly on top of the gasket seals to avoid any possibility of leakage (see figure 5). Unpack the filters supplied with the unit (see appendix A) and lift the compression bar. Install filter(s) into the filter frame with its gasketed side down (see figure 6).



Figure 5



Figure 6



Figure 7



Figure 8

4. Tighten down both sides of the compression bar evenly with the wingnuts until the bar bends upward approximately 1/4 inch in the middle (see figure 7).
5. Re-install the motor housing on top of the filter mounting (see figure 8) base and retighten latches on either side of the enclosure (see figure 9). On/Off switch should be facing the front of the unit.
6. Attach the power cord to the input connector on the left side of each motor housing and connect to any suitable 110V outlet (220V model is available to special order) (see figure 10). When installing the G-50 Containment Hood, which has two HS3000 blower units, follow the same instructions above for installation of the second blower unit. Connect the blower(s) to the six way outlet strip provided and connect power strip to a suitable 110V outlet.
7. 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 or 6 way power strip in the case of the G-50.



Figure 9



Figure 10



Figure 11



Figure 12

8. Check for operation by turning power knob on (see figure 11).
9. Fill out the filter history card(s), one for each type filter, (see figure 12) and place in clear pouch on the front of the blower unit(s).

Regular Maintenance

Cabinet Cleaning -The surfaces of the enclosure can be cleaned with a solution of mild soapy water or Windex™ type glass cleaner.

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 filters should be checked for performance and replaced on a regular basis.

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. When replacing filters please follow appropriate guidelines for handling materials the enclosure is being used to contain. Wear OSHA approved gloves, safety glasses and filtered breathing mask.

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.

Filter Maintenance and Replacement

Turn off blower unit and remove line cord from blower. Unsnap latches on either side of blower unit and lift blower unit from filter base. Loosen wingnuts to allow filter removal.

Remove old filters and place in heavy plastic bag. Follow reverse order of these instructions when installing new filters. The gasketed side of the filter should always be facing downwards. The filter replacement history should be maintained using the card supplied in the clear pouch on front of the blower.

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:

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