

# **G-36G and G-53G Glutaraldehyde Enclosure Assembly and Installation Instructions**

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

The G36-G and G53-G unit comprises:

1. Combined blower unit and filter housing (2 for G53-G)
2. Enclosure
4. FRC-9 or FRC-4 filter (1 per blower), ordered separately
5. AC line cord with medical grade plug ( 1 per blower - inside blower housing)

No tools are required for assembly

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## G-36G and G-53G Glutaraldehyde 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. Check that the blower base sits snugly on top of the gasket seals to avoid any possibility of leakage (see figure 5).



Figure 3



Figure 4

Unpack the FRC-9 or FRC-4 filters and lift the compression bar. When installing the FRC-9 filter ensure the luer connector in the filter frame is adjacent to the monitoring tube and its mating connector. Install filter(s) into the filter frame with its gasketed side down (see figure 6). Attach the monitoring port tubing to the luer connector on the side of the FRC-9 filter(s) by inserting into fitting and locking in a clockwise direction (see figure 7).



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 8).
5. Re-install the motor housing on top of the filter mounting (see figure 9) base and retighten latches on either side of the enclosure (see figure 10). On/Off switch should be facing the front of the unit. Connect the lead from the door switch on the enclosure to the mating connectors on front of the blower unit(s) (see figure 11).
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 12). If you ordered the G-53G connect both blowers 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-53G.



Figure 9



Figure 10



Figure 11



Figure 12



Figure 13

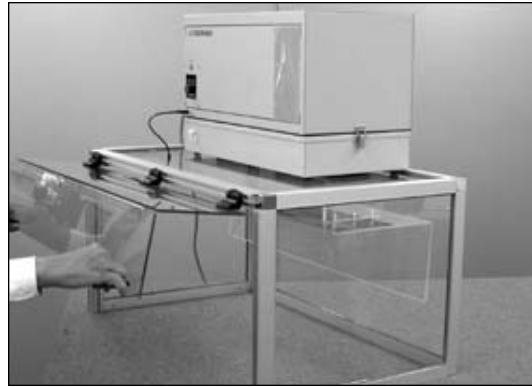


Figure 14

8. Check for operation of the door switch by turning power on (see figure 13). When door is in the opened position the motor speed is high, when door is closed the motor speed will drop to maintain 100 fpm at the face opening and optimize filter life (see figure 14).
9. Fill out the filter history card(s) 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 glutaraldehyde. 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 and door switch connector from blower. Unsnap latches on either side of blower unit and lift blower unit from filter base. Loosen wingnuts to allow filter removal. If using FRC-9 filter remove luer lock connector from side of filter by turning connector counter clockwise until fitting can be withdrawn.

1. The FRC-4 is a single stage activated carbon filter that has been treated to adsorb and break down glutaraldehyde into harmless compounds. The blower vent outlets should be checked frequently with a glutaraldehyde monitor to ensure PEL's are maintained in the room where it is located.

2. The FRC-9 is a two stage treated activated carbon filter with an air space between upper and lower filter beds. A monitoring tube connected to the air space and brought out to the front panel facilitates monitoring of the lower filter bed to check for breakthrough. The presence of the upper filter bed prevents PEL's from being exceeded for an extended period of time after the lower bed has become saturated.

Remove filters and place in heavy plastic bag. Dispose of as household waste. This material is not classified as toxic waste. Follow reverse order of these instructions when installing new filters. Ensure luer lock connector on FRC-9 filter is adjacent to monitoring tube. Ensure monitoring tube is reinstalled in side of filter before replacing blower cover. 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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