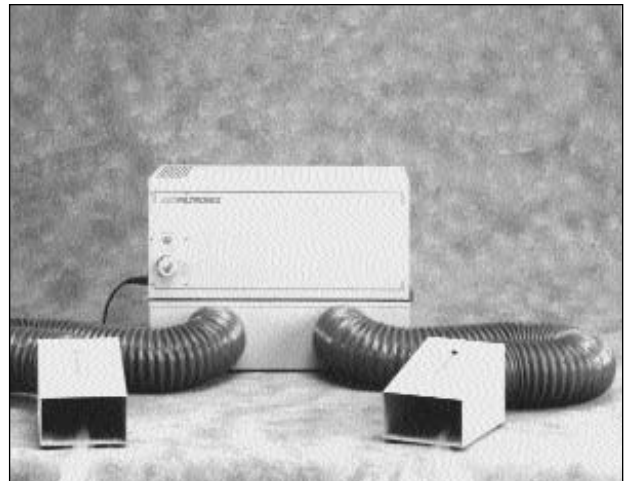
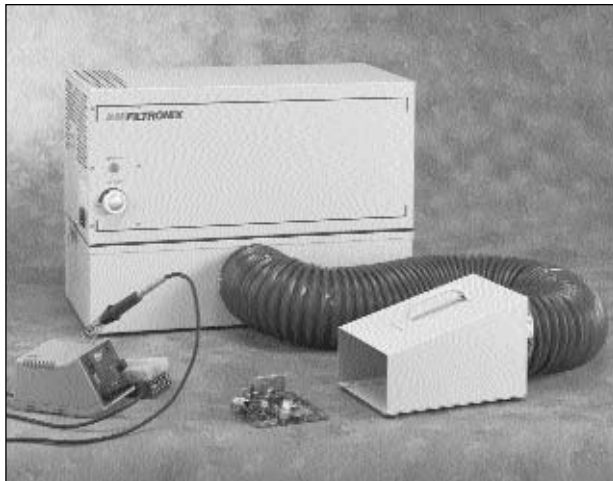


HS-3000A1 and HS-3000A2 Single and Double Hose Portable Fume Vacuum

Assembly and Installation Instructions



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

The Scavenger unit comprises:

1. Combined blower unit and filter housing
2. Single 5 foot Hose and Scoop for model HS3000A1
(two Hoses and Scoops for model HS3000A2)
3. AC line cord with medical grade plug

NOTE: A 5/16" Hex Wrench is required for assembly of the hoses

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HS3000 Scavenger Assembly Instructions

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

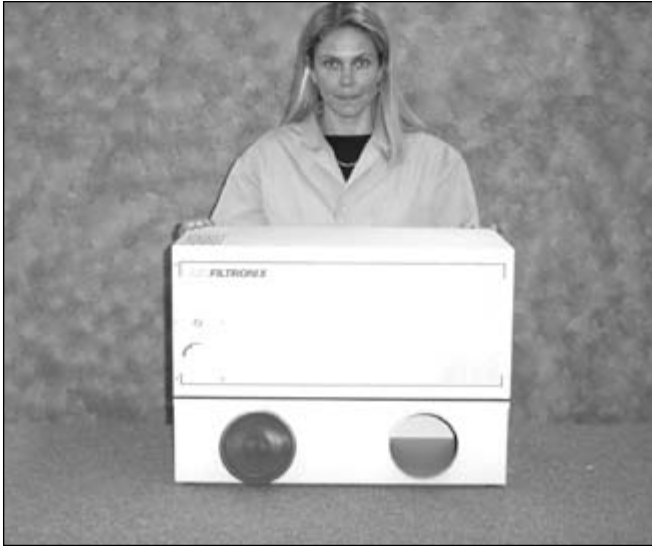


Figure 1



Figure 2

2. Please note that the HS3000A1 Single Hose Scavenger shown on the front page is no longer available in this form. We will supply the two Hose Scavenger base with a removable cap for the unused inlet port which simplifies conversion to a two Hose model if required at some future date.



Figure 3

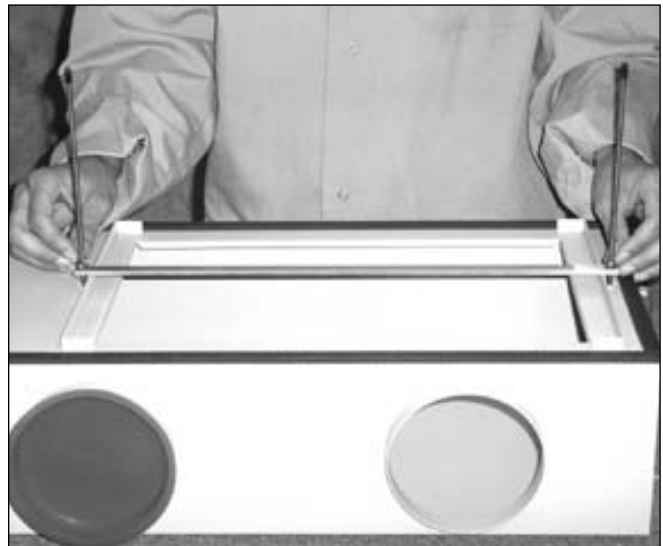


Figure 4

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).



Figure 5



Figure 6

4. Unpack the filters supplied with the unit (see page 7) and lift the compression bar. Install filter(s) into the filter frame with its gasketed side down (see figure 5 & 6).



Figure 7



Figure 8

5. 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).
6. 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.

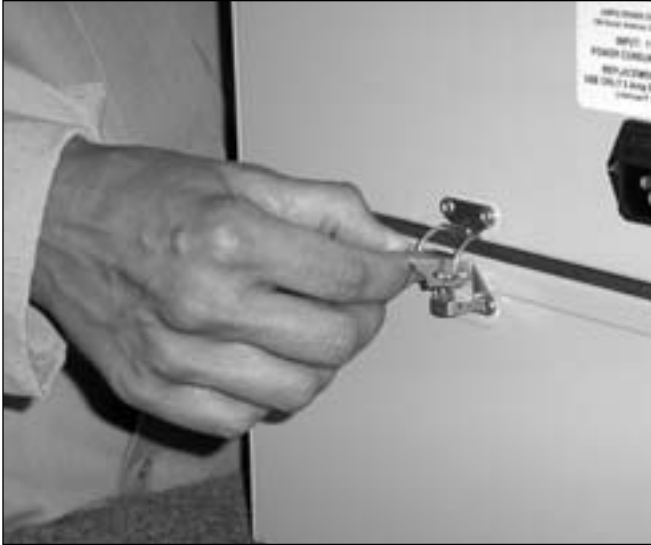


Figure 9



Figure 10

7. Attach the Hose to the scoop using the stainless steel tubing clamps provided. Open the tubing clamp using the 5/16 inch Hex Wrench until it fits loosely over the PVC tubing. Put the clamp over one end of the tube and push the tubing firmly over the collar on the Scoop until it touches the casing of the Scoop (figure 10).



Figure 11



Figure 12

8. Check around the entire collar to ensure the tubing fully covers it. Position the clamp midway over the collar and tighten the clamp with the 5/16 wrench (figure 11) . Attach the opposite end to the Scavenger base in a similar manner (figures 12 and 13).

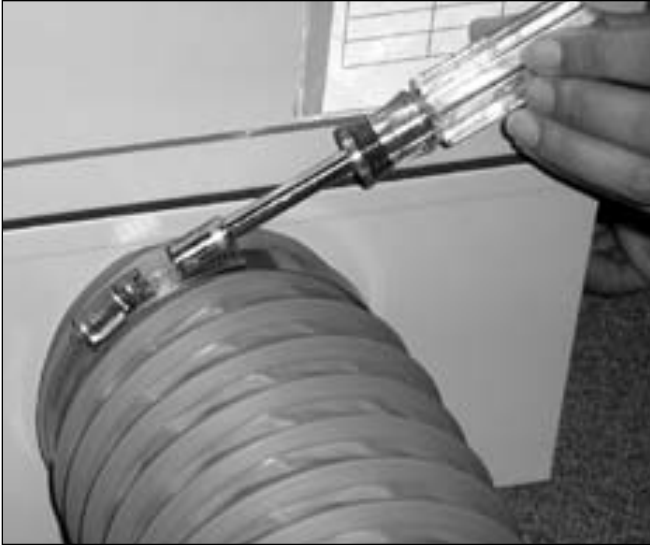


Figure 13



Figure 14

9. For the two Hose scavenger repeat this process for the second scoop otherwise ensure that the cap supplied with the single hose scavenger is firmly attached inside the unused port (figure 14).



Figure 15

6.



Figure 16

10. 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) (see figure 15).
11. Check for operation by turning power knob on in a clockwise direction.(see figure 16). Full blower speed is achieved as soon as the knob passes the click position and the 'power on' light illuminates. Turning the knob fully clockwise reduces blower speed to approx 30% of maximum for applications that do not require full power and lowers noise level.

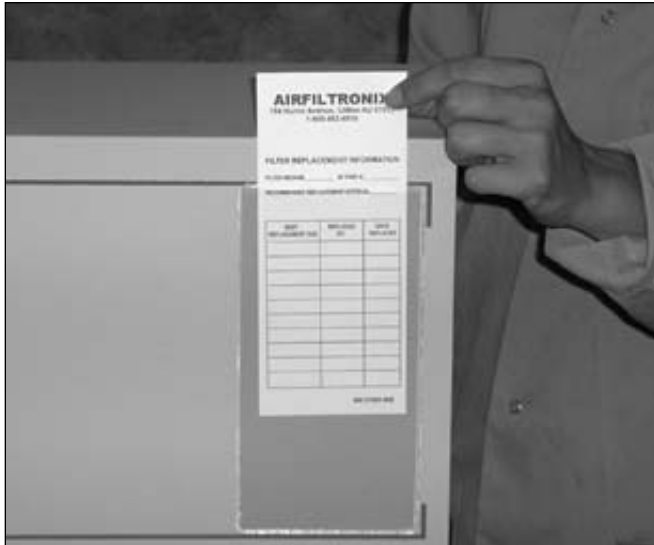


Figure 17



Figure 18

12. Fill out the filter history card(s), one for each type filter, (see figure 17) and place in clear pouch on the front of the blower unit.

13. Position the Scoop as close to the dust or fume source as possible to ensure optimum capture.(Figure 18).

Filter Installation Tips

The Airfiltronix HS3000 variable speed blower and filter housing is designed to hold multiple filters.

In most applications the order in which the filters are installed is important to ensure optimum life for each type of filter.

For HS-3000A1 and HS-3000A2 Single and Double Hose Portable Fume Vacuum

Prefilters should generally always be installed first, gasket side down. The HEPA filter should be installed next, gasket side down. The use of a four stage dacron prefilter is always recommended in applications where a HEPA filter is installed. The Dacron prefilter is much less expensive than a HEPA filter and prevents premature replacement of the filter due to accumulated room dust, reserving the HEPA filter for particles smaller than 6 microns.

Activated carbon filters should generally always be installed after a HEPA or Dacron prefilter to avoid clogging of the HEPA filter with carbon dust. This would not be true in clean room applications where it is desirable to prevent carbon dust from contaminating the room. In such applications the carbon filters should be installed first, then the dacron prefilter, followed by the HEPA filter. Always remember to fill out the filter history card for each type of filter and keep in the pouch on the front of the blower unit to ensure timely replacement of filters.

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 downward. 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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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