

RF-1000 Positive Pressure HEPA Filtration System

Assembly and Installation Instructions



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

The RF 1000 blower unit comprises:

1. Combined blower unit and filter housing
2. Filter compression plate
3. HP-2 HEPA Filter
4. PF-1R Dacron prefilter
5. AC line cord with medical grade plug

No tools are required for assembly

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RF 1000 Blower and Filter Housing Assembly Instructions

1. Unpack the enclosure if supplied with the RF1000 blower unit and check for shipping damage. Notify your carrier immediately if the enclosure has sustained any damage.
2. Unpack the RF1000 blower and filter housing and check for shipping damage. Notify carrier of any damage immediately.
3. Carefully unpack the HEPA filter and remove the protective cardboard panel. Check both sides of the filters for tears or imperfections in the pleats (figure 1). Do not touch the paper pleats on either side of the filter. Tears in either of these pleated surfaces will render the filter ineffective.

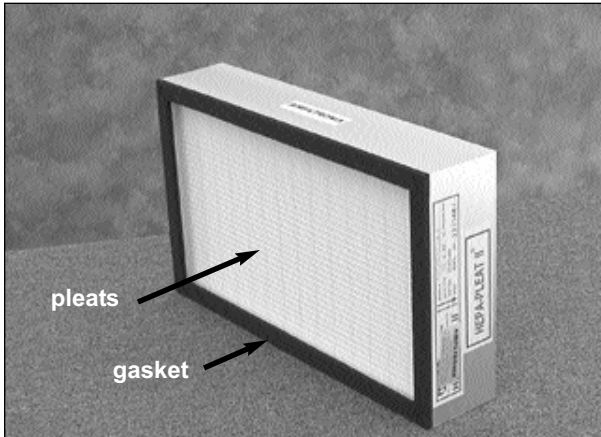


Figure 1



Figure 2

Carefully place the filter, with the foam gasket side down, onto the stainless steel filter mounting plate attached to the top of the enclosure (figure 2).

4. Place the filter compression plate on top of the filter (figure 3) and locate the latches on either side of the compression plate into the cutouts on either side of the filter guides (Figure 4).

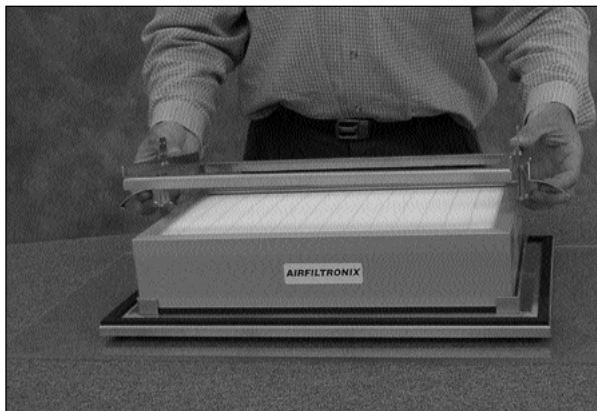


Figure 3



Figure 4

5. When both are positioned correctly snap the latches up in order to compress the filter gasket against the filter mounting panel (figure 5). Ensure that the compression plate is firmly attached and there is no looseness between it and the filter.
6. Carefully place the filter housing and blower on top of the installed filter and locate the latches on the sides of the filter housing into the two cutouts in the filter mounting panel (figure 6 & 7).



Figure 5



Figure 6



Figure 7

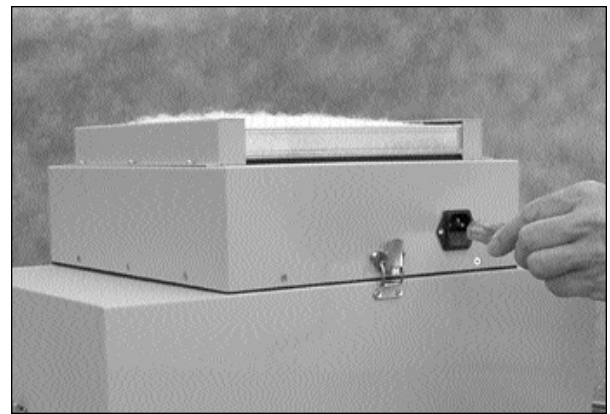


Figure 8

7. Plug the AC line cord supplied into the socket on the rear of the blower housing and connect to a 110V AC outlet (figure 8).
8. Rotate the knob on the front of the blower in a clockwise direction to turn the blower on and set the blower speed. The maximum setting for the blower is in the fully counter clockwise direction just before turning off. In the fully clockwise position the blower speed is approximately 30% of maximum setting (figure 9).
9. If not already installed, unpack the PF-1R, 4 stage dacron prefilter and slide into position on top of the blower unit in the tracks provided (with the gasket side down) (figure 10).

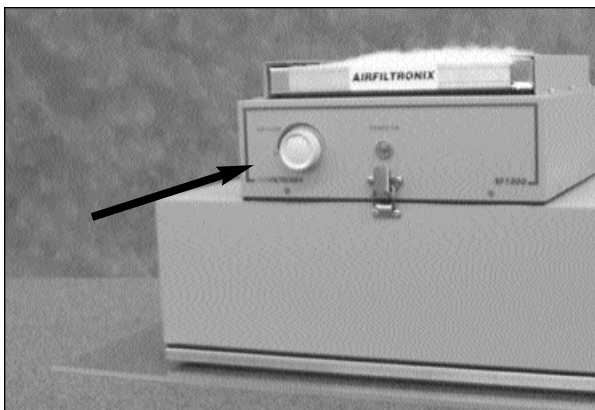


Figure 9

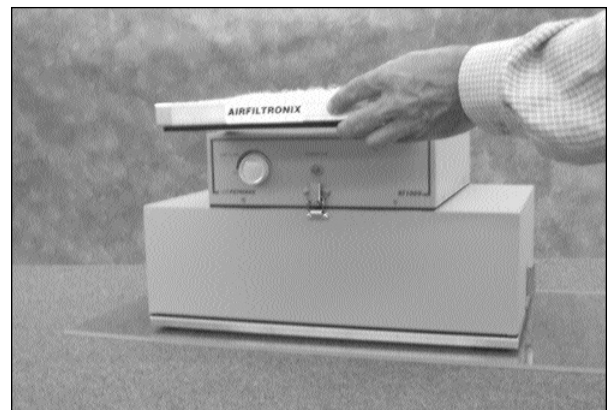


Figure 10

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 RF-1000 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:

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