



AAF HVAC HEPA HIGH EFFICIENCY AIR FILTER HOUSING

INSTALLATION AND OPERATING INSTRUCTIONS

CAUTION... Review these instructions and all safety procedures with your safety officer.

INSTALLATION OF HOUSING

1. Be sure position of housing access door(s) and direction of airflow is correct prior to connecting ductwork.

- A minimum of 3 feet clearance is recommended for filter change out -
2. The housing should be permanently connected to the ductwork by welding, bolting, or riveting. The housing to ductwork connection should be suitably sealed to preclude leakage.
3. Following installation of the housing, the system should be “Blown-Down” to remove construction dust, etc., before installing the filters.

INSTALLATION OF FILTERS

1. Leave the filters in the shipping cartons until transported to the proper housing location. Do not unpack the filters until time of installation. Unpack the filters taking care not to cause damage to them.

Note: HEPA filters are especially fragile.
2. Open the housing access door by removing the four plastic knobs. The housing door can be completely lifted off.
3. Be sure the filter locking mechanism, located adjacent to the top and bottom of each filter access door, is all the way open by turning each mechanism counter-clockwise with a standard ratchet until you feel it “Bottom-Out”.
4. To prevent the filter gasket from sticking to the housing sealing surface after being compressed for an extended period, the entire face of each filter gasket should be coated with silicone grease before it is installed.

NOTE: DO NOT USE RTV SEALANT.



AAF HIGH EFFICIENCY PARTICULATE AIR FILTER HOUSING

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5. Load filters into the housing insuring that the filters are installed in the correct position. *When airflow is horizontal, HEPA filter pleats (separators) must run vertical.* Gently but firmly push the filter until it touches the back of the housing or as far as can be reached. On multi-wide housings repeat the procedure for each filter until all filters are installed.

6. Lock filters in place to the housing sealing surface by turning the top and bottom locking mechanism clockwise with a ratchet until gaskets are compressed approximately 50%.

NOTE: DO NOT OVER COMPRESS AS FILTER DAMAGE MAY OCCOUR.

7. Reinstall the access door to the closed position and tighten all four plastic knobs until the door is sealed securely.

8. For housings with a pre-filter section, pre-filters are serviced in a similar fashion except pre-filters do not have a clamping mechanism. Pre-filters are simply slid into the pre-filter track with the access door off and the door then closed and secured.

9. Filter changeout is carried out in the same manner when filters reach their design final resistance. Spent filters are removed and clean filters re-installed in the manner described above. Pre-filters can be serviced without disturbing the seal of the final filter.

Important: *The filter housing may have been used to filter potentially dangerous materials. If so, the filter housing must be decontaminated prior to changing filters. Verify the proper decontamination procedure with your safety officer.*