



## **AAF LEVERLOCK SIDE ACCESS FILTER HOUSING INSTALLATION AND OPERATION 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 with caulk or gasket material to preclude leakage.**
- 3. Following installation of the housing, the system should be “Vacuumed out” or “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.**
- 2. Open the housing access door by unlatching the positive pressure trip lock latches. The housing door is hinged and can be swung open completely.**
- 3. Be sure the filter locking mechanism, located adjacent to the top and bottom of each filter track is all the way open by pulling each locking handle toward you. (Note: No special tools are required for this operation)**



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 silicon grease before it is installed.

**NOTE: DO NOT USE RTV SEALANT.**

5. Load filters into the housing insuring that the filters are installed in the correct position. When airflow is horizontal, High-Efficiency 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 filter housings repeat the procedure for each filter until all filters are installed. Filters on multi filter wide housings should have gaskets installed on the vertical sides of the filters to insure sealing between filters.
6. Lock filters in place to the housing sealing surface by pushing the locking arm towards the housing until locking arm is parallel to the door opening.
7. Swing the access door to the closed position and latch the door 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 or gasket material. Pre-filters are simply slid into the pre-filter track with the access door open and the door then closed and secured.
9. Filter change out 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.