

MAINTENANCE MOP

Direct Air Cooling (DAC) Filters for
Shelter and Cabinet Thermal Cooling Systems

Part Numbers: KM Series



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PLEASE READ:

This filter maintenance MOP is applicable to the following RFI Direct Air Cooling (DAC) products and Air Filters:

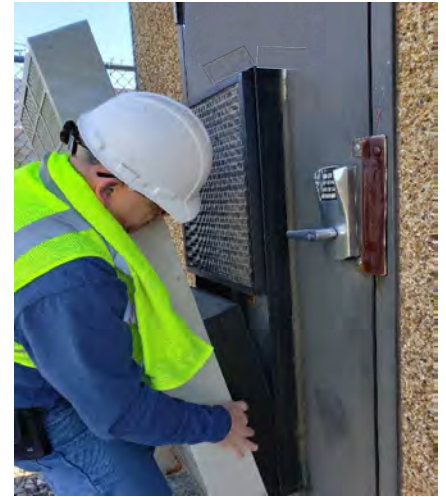
- AF000401 series, Wall-mount Shelter DAC System (KM000061-D & KM000061-A)
- AF000402 series, Door-mount Shelter DAC System (KM000061-D & KM000061-A)
- AF000013 series, Shelter DAC System (KM000051-A)
- AF000190 series, Cabinet DAC System (KM000051-A & KM000022)
- AF-DS201 series, Cabinet DAC System (KM000063)

The procedures outlined in this document reference the AF000013 series. Please refer to the product instructions specific to your model for removing the intake assembly to access the air filter. The cleaning instructions are universal for all filters.

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STEP 1. REMOVE EXTERIOR FILTER HOOD

1. Find the DAC breaker and turn off the system to ensure the fans do not rotate.
2. Find the two carriage bolts below the intake that hold the Exterior Hood to the door. Using a ½” Wrench, remove the two 5/16-18 nuts that secure the carriage bolts and push the bolts through the door.
3. From the outside, rotate the lower part of the hood to clear the filter frame. Push up sharply to clear the top of the hood from the crow’s foot on top of the frame. Set the hood aside for inspection and cleaning.



STEP 2. REMOVE FILTERS

1. Carefully remove both filters and set them aside for cleaning. Take caution if the fans are running to avoid dangerous moving parts.

Note: If the fans are running, turn off the breaker to the DAC to shut down the DAC operation

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STEP 3. REMOVE EXCESS DUST

1. Carefully shake out dust and loose debris from the filter before rinsing it.

Note: Use care not to damage the filter frame or media while doing this.



STEP 4. CLEAN THE FILTERS

1. Rinse clean the air intake side of the filters (opposite the gasket) using generous amounts of water from the pump sprayer. Spray the water from top to bottom to move the dirt down the pleats and toward the bottom of the filter.
2. Note if using an alternate water source, use care that the pressure of the water does not damage the filter media.
3. Carefully shake excess water from the filter and then lay the filter on a clean flat surface, if available, to allow the water to drain.

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STEP 5. CLEAN THE INTAKE HOOD

1. Using a pump sprayer/hose and a cleaning brush, remove all dirt and debris from the intake system. Rinse thoroughly, shake off excess water, and set aside.



STEP 6. REINSTALL THE FILTERS

1. Carefully re-insert both cleaned filters into the filter frame. You may experience a filter that rotates out of the pocket.
 - a. A small wedge placed between the top of the filter and the filter frame pocket can help hold the filter in place without harming the filter.
 - b. A folded-over zip tie or other object used as a wedge can be used as seen in the above pictures.

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STEP 7. REINSTALL THE FILTER HOOD

1. Reinstall the filter hood by first sliding the top down into the crow's foot on top of the filter frame.
2. Rotate the hood back to the door, push the carriage bolts through the filter hood and through the door panel.
3. Place the washers back on the carriage bolts, thread the two nuts, and tighten using a ½" wrench.

NOTE: Use care when tightening to avoid over-tightening and damaging the door.

SALES AND TECHNICAL SUPPORT

To order Replacement Filters:

Email: RFI@RFIndustries.com

Phone: 1.800.233.1728 (US) or +1.858.549.6340

[Contact an Authorized Distributor](#)

For Technical Support

Email: AppsEng@rfindustries.com