

**TEMPLATE**  
**Standard Operational Guideline**  
**Mintie Tech, Inc. OMNI-AIRE 600V Air Filtration System**

**PURPOSE:**

This guide line is to provide information on the operation, cleaning, maintenance and storage of the OMNI-AIRE 600V Air Filtration System.

This Air Filtration System is designed provide HEPA filtration when used with the ECU Anteroom (Environmental Containment Unit) to establish a short term airborne infectious isolation room.

**EQUIPMENT LOCATION: (TO REMAIN BLANK FOR EACH HOSPITAL TO FILL IN)**

**OPERATIONAL INSTRUCTION GUIDELINES:**

Operation of equipment:

- Before use check unit for damage. Remove the primary filter and check the HEPA filter for proper seal against the internal flange and bottom of the unit.
- With clean filters and the unit running on the low setting, the vacuum gauge should indicate about 1" WC (water column) of vacuum.
- As filters load with dust, the vacuum reading will increase. Replace the primary filter when air flow decreases (Approx. 1.5" WC). If vacuum gauge indicates 1.5" WC with a clean primary filter, the HEPA filter will have to be replaced.
- Install the manifold (black plastic with round flange to connect flex duct) by sliding into tracks on intake end of unit. Insure manifold seats in bottom on unit.
- Install flex duct on manifold. Use hose clamp to secure flex tubing.

See SOG for ECU Anteroom (Environmental Containment Unit) for attachment instructions.

Cleaning of equipment:

- After use, wipe down exterior of unit with hospital approved disinfectant or 1:10 bleach solution.
- If flex duct is soiled, dispose of properly and replace (Omni-Aire part # MD8 ).

**STORAGE OF EQUIPMENT:**

- This unit should be stored in a clean, dry area.
- The flex duct may be collapsed and stored behind the intake manifold.

**PREVENTATIVE MAINTENANCE FOR EQUIPMENT:**

- The motor/blower does not require maintenance.

Replacing the HEPA filter;

- Using a 7/16" wrench loosen the four metal tabs holding the filter in place.
- Remove old filter, dispose of properly.
- Install new filter with the gasket side facing the blower. Insure proper seal against the internal flange and bottom of the unit.
- Tighten metal tabs to compress the gasket by 1/8". Do not over tighten.
- Set up semiannually with ECU and test operation.

