



HEPA AIR SCRUBBER

Owner's Manual

Covers the following units:

All 9100 series, 1000V, and 1900 series

All H2000, M2000 series, and Eliminator



If you have any questions about the operation of this product,

please call 1-800-237-6414 or email us at sales@aerospaceamerica.com.

More information can be obtained on our website at: www.aerospaceamerica.com



IMPORTANT SAFETY INSTRUCTIONS

READ AND SAVE THESE SAFETY INSTRUCTIONS PRIOR TO USING THIS AIR FILTRATION UNIT

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock, and injury to persons

1. Read all instructions before operating the air filtration unit
2. ALWAYS turn the air filtration unit controls to the OFF position and unplug unit when not in use.
3. To disconnect the unit, make sure the unit is in the powered OFF position, then grip the plug and pull it from the unit's inlet. Never pull by the cord.
4. Do not use any unit with a damaged extension cord or plug.
5. Do not use any product that malfunctions or has been dropped or damaged in any manner.
6. Do not expose air filtration unit to rain or water.
7. Do not allow foreign objects to enter ventilation or exhaust opening as this may cause electrical shock or damage to the air purifier. Do not block air inlet or exhaust outlet.
8. Always disconnect power supply prior to servicing.
9. Do not operate air filtration unit without door, panel and filters assembled in place.
10. SAVE THESE INSTRUCTIONS.

GETTING TO KNOW YOUR AIR SCRUBBER

*See www.aerospaceamerica.com website for calculating and sizing air units.

Types of control panels:

Standard Feature



Contains helic gauge, LOW/HIGH OFF switch and circuit breaker

Full Panel mount



Mounted directly on unit. Contains variable speed switch, helic gauge and breaker

Full Feature Panel

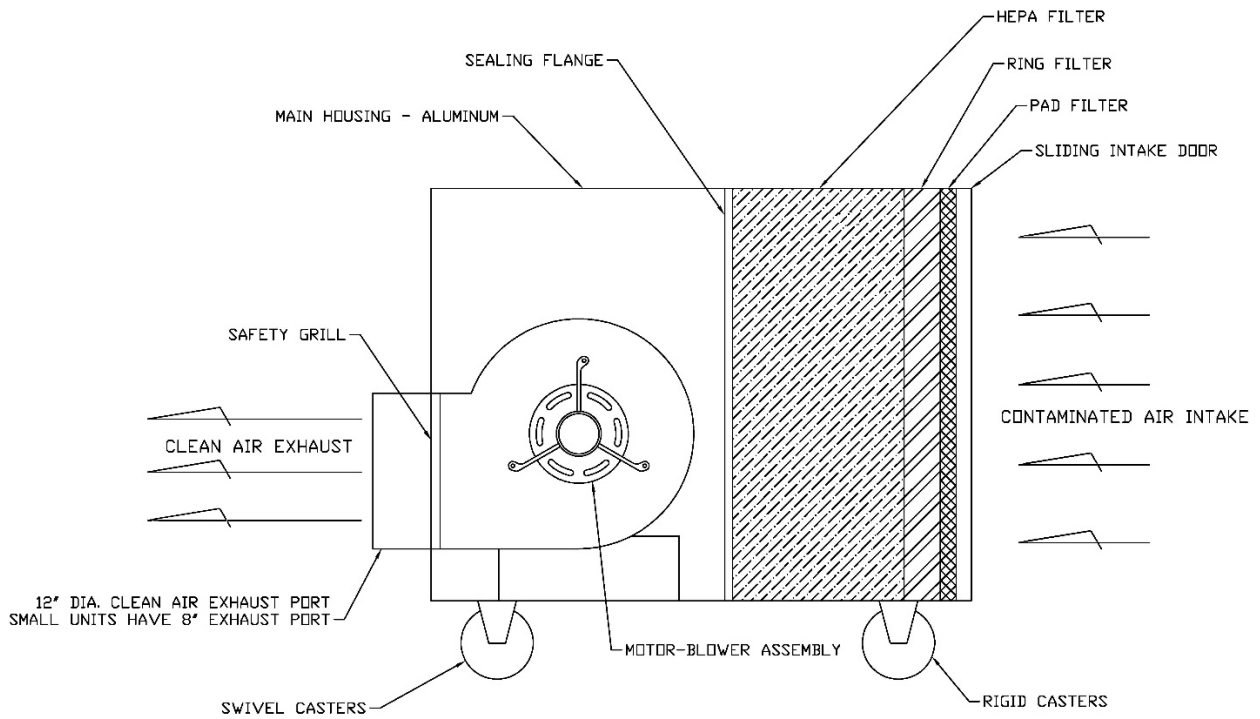


Contains ON/OFF-LOW/HIGH switch, helic gauge, circuit breaker and audible alarm with red LED (indicates the filters are full and need servicing).

INLET PLUG (ALL UNITS) – 110V Power Input



Schematic



All Aerospace America units are Dispersed Oil Particulate tested and passed at the factory



STAGES OF FILTRATION:

AEROSPACE AMERICA, INC. air filtration units are designed to meet or exceed standards for high efficiency indoor air quality filtration equipment. Use only Aerospace America, Inc. recommended parts, including replacement filters and HEPA filters. Failure to use Aerospace parts or recommended replacements voids the product warranty and all performance claims.

First Stage Filters:

Removing the intake door allows you to change the 1st stage filter. This filter removes particles up to 10 microns and larger. The first stage filter should be changed daily when used on a 24 hour working cycle. Visual inspection of this filter is recommended. Proper disposal of asbestos, mold and/or lead contaminated filters is required. A visual inspection will show when the 1st stage filter becomes dirty and thus a replacement is required.

Second Stage Filters:

The 2nd stage filter "ring filter" is located next to the HEPA filter. This should be inspected each time the 1st stage filter is replaced. The 2nd stage filter removes particles up to 1 micron and larger from the air, thereby protecting the more expensive H.E.P.A. filter. The second stage filter should be changed weekly or more if deemed necessary, depending on your application.

H.E.P.A. Filter:

Remove the nuts/tabs and slide the HEPA filter out for replacement. Once the new HEPA filter is in place, replace tabs and secure the four (4) nuts tight to ensure proper seal of the gasket against the bulkhead. The H.E.P.A. filter removes smaller size fibers, mold, and dust from the air and has efficiency rating of 99.97% in removing .03-micron particles. Aerospace suggests changing this filter every 350 hours the unit is in use. Different filtration applications will vary the life cycle of the HEPA.

IMPORTANT: Visually check the water column gauge on the control panel.

The unit with clean filters will run efficiently at 1.8-2.2 when the HEPA filter becomes dirty and needs replacement this number will increase to 3.5-4.0 In theory, the higher the gauge reads the dirtier the HEPA filter has become. Aerospace does not recommend running the unit when the gauge reads past 3.0 in w.c.

Motor/Fan Assembly:

Aerospace units are equipped with ½ h.p., 1.0 h.p. or 1.75 h.p. motors. The motor powers a centrifugal blower style fan. Each unit has specific CFM ratings. This Air Scrubber pulls contaminated air through clean filters at the static pressure of 1.8 to 2.2 inches of water. As the pressure rises to 3.0 or higher (with clean stage 1 and stage 2 filters), then HEPA filter replacement is recommended.

IMPORTANT THINGS TO REMEMBER:

1. All electrical equipment on the job should be grounded.
2. Do not run electrical cords across floors, and keep them away from water at all times.
3. Extension cords should not exceed 100 ft in length for 1 H.P. or larger units.
4. Use 12ga or heavier extension cords.
5. Plug each unit directly into power source. DO NOT plug unit into another unit or use.
6. Personnel responsible for changing filters are urged to wear approved protective equipment and respirators.

GETTING STARTED

1. Visual inspect unit for shipping damage.
2. Use 12GA minimum, 100 ft long max. extension cord from power source to 1 H.P. and larger Air Filtration Units.
3. Place Air Scrubber unit in open area for efficient air exchanges.
4. Attach properly sized flexible ductwork if required. Secure with duct tape or wire tie.
5. Select HIGH or LOW or adjust variable speed knob depending on the unit.
6. Monitor gauge and visually inspect filters regularly.
7. See Specification Sheet for more detailed information about your individual Air Scrubber
8. See the Aerospace America website and catalog for information and replacement filters and parts.
 - a. www.aerospaceamerica.com
 - b. www.aerospaceamerica/catalog
 - c. Call 1-800-237-6414 or (989) 684-2121 for more detailed information

CLEANING AND STORAGE

1. Clean and wipe unit.
2. Dispose of all used filters properly.
3. Visual inspect inside of the unit. Look for loose or broken parts.
4. Replace filters.
5. Wrap unit in plastic shrink wrap for long term storage.

Warranty

90 Day Warranty from Aerospace America, Inc.

1. Aerospace America Inc. warrants for 90 days, to the original customer of its products that they are free from defects in material and workmanship. Subject to the conditions and limitations set forth below, Aerospace America Inc. will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials.
2. Removal and/or defacing of Serial/Part number sticker(s) on ANY products WILL void ALL warranties.
3. Customer must call Aerospace America Inc. to obtain an RMA number before return authorization will be granted.
4. Products can not be sent back to Aerospace America Inc. once they are contaminated with hazardous or toxic substances. Contaminated products will be refused at the door.
5. ALL defective products sent in for RMA replacement MUST INCLUDE A COPY OF THE ORIGINAL INVOICE/RECEIPT. (Products NOT including invoice/receipt will be returned to the customer at customer's expense).
6. This limited warranty does not cover any damage to this product that results from improper installation, accident, abuse, misuse, natural disaster, external/internal corrosion, electrolysis, abnormal mechanical or environmental conditions, or any unauthorized disassembly, repair, or modification. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, has not been handled or packaged correctly, has been sold as second-hand or has been resold contrary to the US export regulations.
7. This limited warranty covers only repair, replacement or refund for defective Aerospace America Inc. products, as provided above. Aerospace America Inc. is not liable for, and does not cover under warranty, any costs associated with determining the source of problem. Aerospace America Inc. shall not be liable for any consequential or incidental damages of any kind resulting from the order or use of its products. These damages include reimbursement of the original purchase price, loss of the use of a vehicle, loss of time or inconvenience, rental of a replacement unit and any other special, incidental, consequential, or punitive damages. Aerospace America Inc.'s sole obligation will be to repair or replace its product.
8. This warranty is void if the product is used for anything other than its intended use.
9. This warranty does not cover claims for any damages caused to persons or equipment.
10. This warranty is limited to the original purchaser and is not transferable. If the product is re-sold, or otherwise transferred, the above Limited Warranty is void.

Returns

Return Merchandise Authorization Procedure for Defective Material

Please contact Aerospace America Inc. to obtain a Return Merchandise Authorization (RMA) number in the event that you need to return an item for replacement or service.

Do not return any product(s) until you have received an RMA number. Aerospace America Inc. reserves the right to refuse shipments that do not have a valid RMA number.

Defective Material: All products must be sent in secure packaging to avoid any shipping damages. Please call (989) 684-2121 to obtain an RMA number. Aerospace does not repair or accept returns of units that have been used in the field.



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Leading manufacturer of air filtration and abatement equipment since 1981

www.aerospaceamerica.com