

QUATRO

Air Technologies Inc.

Engineers of Clean Air

Basic / K1



Operations & Maintenance Manual

IMPORTANT:

Save shipping box and foam for future service. Shipping without proper foam will cause damage to unit.

LIST OF COMPONENTS

Open Box to find:

- Dust Collector
- 6ft Capture Hose
- O&M Manual

Open Lid of Dust Collector to find:

- Power Corset
- AA114-Foot-Pedal (filters may be wrapped in plastic, remove plastic before operating unit)

UNIT INSPECTION

Upon receipt, inspect unit for either visible or concealed damage. Damage should be immediately reported to the transport company.

If you suspect concealed damages inside the box indicate so, on the transport companies' shipping documents.

SAFETY PRECAUTIONS

Carefully read instructions in this manual before operation (keep manual as it contains information for proper operation and maintenance). Keep all fastening hardware tight to ensure that the unit is in safe working condition. Familiarise yourself with the way in which the special filter is removed, installed, and serviced. Filter must be in place whenever this machine is in operation. Use only on grounded electrical circuit; do not use two-wire electrical prong adapters to defeat the three-pronged plug on the end of the cord. **Do not substitute any other filter for the one supplied, as it will alter the design characteristics. UNPLUG UNIT FROM ITS POWER SUPPLY PRIOR TO SERVICING UNIT.**

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OPERATING INSTRUCTIONS

- Remove plastic around filter(s), connect 1-½" dia. hose to inlet on top of unit.
- Connect other end to your 1.5" dia connection (on accessory or machine)
- Plug-in the power cord to both Dust Collector / Purifier Control Panel and 115-volt wall outlet.
- Start unit by pressing Hand-Switch or Foot-Pedal.

EQUIPMENT MAINTENANCE (in order from top to bottom)

Filter Bags: When you notice a significant drop in suction, it is time to change the filter bag. Do not try to clean filter bag as this will result in tear. To replace Filter Bag, unhinge top cap of unit and remove cap. Slide the bag inlet off the inlet pipe and replace.

Perforated Metal Grille: MUST be placed between the filter bag and the filter below it. When filter fills with debris, Perforated grille prevent debris in filter bag from blocking the filter below it.

Odor Filter (For Dust & Odor Applications): Ensure this is always placed on top of HEPA filter.

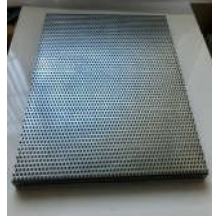
HEPA Filter: This is the most efficient filter and must be installed LAST, and just above the motor section.

Box Filter: All-in-one box filter for lower debris, higher odor applications (consult with factory)

WARNING: DO NOT OPERATE UNIT UNLESS FILTER IS IN PLACE, AS MOTOR MAY BURN-OUT.



Filter Bag



Perf Spacer



Odor Filter



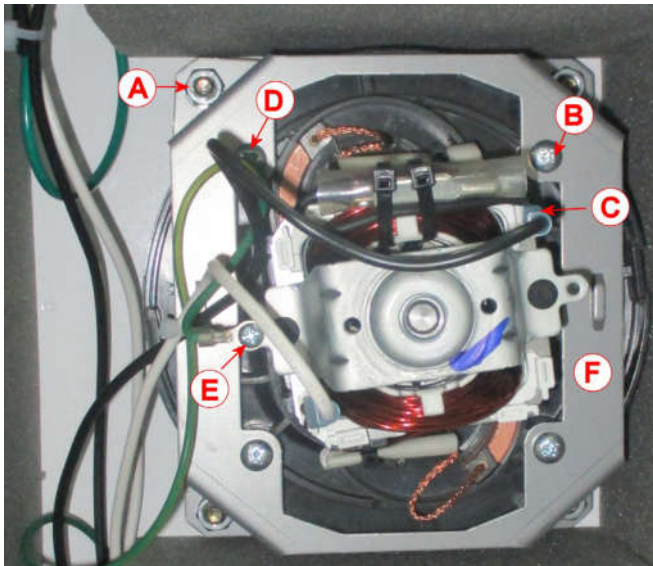
HEPA Filter



Box Filter


BLOWER MAINTENANCE

Refer to following figure when performing this procedure.



- A . Retaining nuts (4X)
- B . Motor-to-bracket, mounting screws (4x)
- C . Black wire terminal
- D . Green wire terminal
- E . White wire terminal
- F . Motor retaining bracket

- Unplug power cord and open motor access panel
- Disconnect wires (C, D,E), cut zip ties
- Remove the retaining nuts (A) and lock washer holding the motor assemblies
- Remove the motor retaining bracket (F) from the old motor by removing the 4 mounting screws (B)
- Install the bracket on the new motor. See the installations pictures below.

CAUTION:  ALLOW MOTOR(S) TO COOL FOR 45 MINUTES BEFORE SERVICING.

 Note the orientation of the bracket.

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Troubleshooting

Symptoms	Possible Cause	Suggested Solution
Unit will not start	<ul style="list-style-type: none"> Faulty Power supply Blown fuse Unit not plugged into receptacle 	<ul style="list-style-type: none"> Check breaker box Replace fuse Plug unit in
Excessive noise	<ul style="list-style-type: none"> Turbine impeller contacting housing 	<ul style="list-style-type: none"> Replace motor (PN: AR175)
Insufficient airflow	<ul style="list-style-type: none"> Obstruction in system Clogged filter 	<ul style="list-style-type: none"> Remove obstruction Replace filters
Motor Shuts	<ul style="list-style-type: none"> Input amperage too high Motor is burnt 	<ul style="list-style-type: none"> Ensure filter is in place, reset circuit Breaker Replace motor (PN: AR175)
Excessive airflow	<ul style="list-style-type: none"> Filter not in place 	<ul style="list-style-type: none"> Install filter
Suction varies from workstation to workstation	<ul style="list-style-type: none"> Hose lengths between stations vary 	<ul style="list-style-type: none"> Adjust damper or blast gate at each station equalizing suction

Replacement Parts

Description	Part	Description	Part
WHITE Filter Bag,3/pkg	AG349-03	YELLOW Filter Bag, 2/pkg	AG329-02
HEPA Filter	F220	Odor Filter	F229
Metal Perf Filter Spacer	M466	Box Filter (Odor Only)	AG253-GPC
ON-OFF-ON Toggle Switch	E035	Box Filter (Dust and Odor)	AG255-GPC
Replacement Turbine, 120v	AR175	Circuit Breaker(120v) w/ spacer	AR110
Speed Control Dial Assy	AR010		

*** Consult factory for 230v parts

OPTIONALLY AVAILABLE REMOTES:



#AA011 - Hand Switch



#AA012 – 2-Station Hand-Switch



#AA224 – 2-Station Foot-Pedal

WARRANTY

QUATRO Air Technologies warrants its equipment to be free from defect in material and workmanship under normal use and service for a period of one year from date of shipment. QUATRO's obligation under this warranty shall be limited to replacing any parts, thereof, which shall be demonstrated to have been defective. This is expressly in lieu of all other warranties, express or implied, including the warranties of merchantability and fitness.

QUATRO claims no warranty as to merchantability or as to the fitness of the merchandise for any particular use and shall not be liable for any loss or damage. No person, firm or corporation is authorized to assume for QUATRO any other liability in connection with the sale of these goods. Equipment, parts, and material manufactured by others and incorporated in QUATRO's equipment are warranted by QUATRO only to the extent of the original manufacturer's liability to QUATRO Air Technologies Inc.

DISCLAIMER

THIS WARRANTY DOES NOT COVER ABUSE, MISUSE, MAINTENANCE NEGLIGENCE, IMPROPER ASSEMBLY, ACTS OF VANDALISM, ACTS OF GOD, FEAR WEAR, MODIFICATIONS OF THE EQUIPMENT OR INSTALLATION OF A PART NOT RECOMMENDED BY QUATRO AIR TECHNOLOGIES, AS WELL AS OPERATION OF THE EQUIPMENT AT VOLTAGES OTHER THAN THOSE SPECIFIED BY QUATRO AIR TECHNOLOGIES INC.

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THE SYSTEM IS DESIGNED TO BE CONSTANTLY POWERED (PLUGGED IN). USE THE ON/OFF ONLY SWITCH TO TURN THE SYSTEM ON and OFF.

ALWAYS SWITCH THE POWER OFF BEFORE UNPLUGGING THE SYSTEM FROM THE MAIN POWER SOURCE OR BEFORE CUTTING POWER TO THE RECEPTACLE. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE SYSTEM THAT IS NOT COVERED UNDER WARRANTY.

QUATRO IS NOT LIABLE FOR MISAPPLIED EQUIPMENT. ALWAYS CHECK SYSTEM VOLTAGE BEFORE PLUGGING INTO POWER SOURCE.

WARNINGS

- 1) This is a class A product. In domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.
 - 2) This filtration system is not intended for use with explosive, highly flammable, or toxic substances or environments. (Example: where the lower flammability limit may be exceeded, see chemicals' specific MSDS for more information on these limits.)
 - 3) If you are collecting a flammable material, it is your responsibility to ensure that an ignition source is not introduced into the collected material. This could be in the form of static discharge, flames, sparks, cigarettes, matches, chemicals causing exothermic reactions, or any other source of ignition that could ignite the collected material.
 - 4) If you are not sure if your product is explosive or considered highly flammable, you should have it tested before operating your filtration or dust collection system.
 - 5) Ensure that the system and the installation comply with all local NFPA and OSHA regulations.
 - 6) Always unplug your system when inspecting or performing maintenance.
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 Any changes to the system will void all warranties. Only original Quatro-approved products should be used for repairs of any kind.