

Operations & Maintenance Manual



Model: JS-1400

IMPORTANT:

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

LIST OF COMPONENTS

(1) Jet-Stream (JS-1400) (1) 8ft Length of HD Hose

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!**

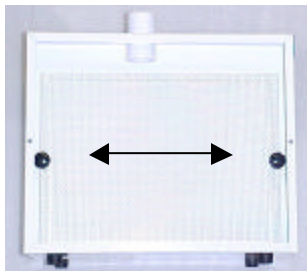
OPERATING INSTRUCTIONS

- a) Slip 8ft. of hose over the inlet connection on top of unit. Connect the other end to your capture source.
- b) Plug-in the power cord to both Jet-Stream Control Panel and 115-volt wall outlet;
- c) Switch toggle to "ON" position. Vary the speed from "MIN" to "MAX". Selected speed will depend on user's preference;

EQUIPMENT MAINTENANCE

1) Filter Bag (PN: AG143, 5/pkg): This is a state-of-the-art "V-style" Filter Bag. 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, unscrew the 2 knobs on filter access side and remove door. Slide the bag inlet off the inlet pipe (tilt front slightly downward to facilitate removal). Vacuum out any dust at the base prior to re-installing new one ensuring longer motor life. Re-Insert new filter bag by slightly tilting back side of cardboard and pushing bag upward against the inlet pipe. Be careful not to damage the HEPA filter behind the bag. Ensure entire bag is tucked into the housing of the Jet-Stream prior to closing door. **WARNING: DO NOT OPERATE UNIT UNLESS FILTER IS IN PLACE, AS MOTOR MAY BURN-OUT.**

2) HEPA Filter (PN: F160): Upon installing new bag, if you notice a decrease in suction, it may be time to change HEPA filter. (Typically once every 2 years). To remove HEPA Filter, remove Bag filter and then unscrew 3 plastic knobs which securing HEPA Filter to wall of unit.



To replace HEPA Filter (PN: F160):

- Remove V-Style Filter Bag (AG143-5)
- Unscrew black Plastic knobs
- These knobs hold down BOTH perforated grille AND HEPA filter
- Remove grille, replace filter
- When replacing filter, place filter (over the threaded studs)
- Re-insert Perforated Screen
- **Re-insert knobs.**

3) High Speed Turbine Maintenance (Crystal Graphite Rods) (PN: AB112, 2/pkg): Open motor side door by unscrewing 6 screws.

MOTOR DOES NOT NEED TO BE REMOVED TO REPLACE GRAPHITE RODS.

- 1) Using a phillips screwdriver, unscrew the 2 screws holding down each of 2 gold colored rod casings
- 2) Lift gold colored tab and lift/pull out each rod
- 3) Replace each rod onto turbine motor, screwing down the phillips screws over tab.
- 4) After rods have been installed, run motor at 50% power for 30 minutes to reduce/eliminate sparking.

4) High Speed Turbine Replacement (PN: AB001): Open motor side door by unscrewing 6 screws. **Remove Control Panel by unscrewing (2) nuts on blower side and (1) nut on Filter side (DO NOT need to unwire panel, only loosen to move out of the way, so Turbine will pass).** Unscrew (3) nuts (using ¼" socket) that hold down the turbine. Turbine, along with holding bracket will lift up and off. Unwire 3 wires and replace with new blower. Fasten using same (3) nuts.

TROUBLESHOOTING GUIDE

Symptoms	Possible Cause	Suggested Solution
Unit will not start	<ul style="list-style-type: none"> • Faulty power supply • Circuit breaker popped • Motor burnt 	<ul style="list-style-type: none"> • Check breaker box • RESET circuit breaker on unit panel • Replace motor (PN: AB001)
Excessive noise	<ul style="list-style-type: none"> • Turbine impellar contacting housing 	<ul style="list-style-type: none"> • Replace motor (PN: AB001)
Insufficient airflow	<ul style="list-style-type: none"> • Obstruction in system • Clogged filter 	<ul style="list-style-type: none"> • Remove obstruction • Replace filter
Motor shuts off	<ul style="list-style-type: none"> • Input amperage too high • Graphite crystal rods are consumed • Motor is burnt 	<ul style="list-style-type: none"> • Ensure filter is in place, reset circuit breaker • Replace rods (PN: AG112, 2/pkg) • Replace motor (PN: AB001)
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

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 authorised 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.

Conditions and Limitations: **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.

SPARE PARTS

Qty	Description	Part	Qty	Description	Part	Qty	Description	Part
1	V-Style Filter Bag,5/pkg	AG143	1	Graphite Crystal Rods,2/pkg	AB112	1	Replacement Turbine	AB001
1	HEPA Filter	F160	6	Blower Door Screws	H457	2	Black Filter Door Knob	H352
1	Circuit Breaker	E159	3	Turbine Rubber Grommets	H456	1	Toggle Switch	E035
1	1/8" Gasket Roll (40')	H006-R	1	Speed Control Dial	AS014	1	8' Hi-Capacity Hose	H424-08

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