

“Fresh-Air” Purifier AF400

Bio-Scan B100 & Bio-Scan plus B200

Instruction Manual

1- INTRODUCTION

Congratulations! You are now owner of a QUATRO purifier, an advanced effective purifier, designed specifically for the human respiratory system. You can expect a noticeable improvement in air quality as the unit begins the process of reducing microscopic airborne particulate, dust, harmful gases, smoke, and pollen ect.

2- SAFETY PRECAUTION

Read all of the instructions contained within this manual before operating this unit. Keep this 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 filters are installed & replaced. All filters must be in place whenever this machine is in operation. Use only on a grounded electrical circuit; do not use any two-wire electrical prong adapters to defeat proper grounding. If servicing the unit, be careful not to touch the motor as soon as it has been turned off. It is hot and can cause injury. **Do not substitute any other filters odor granules.**

3- ALWAYS UNPLUG FROM SUPPLY BEFORE DOING ANY MAINTENANCE OR FILTER SERVICE

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

4- PRE START-UP CHECKLIST

- a) All filters are present and are correctly installed prior use;
- b) Labels and serial numbers are present for future identification;
- c) Verify that power supply is compatible with equipment. Check the unit is plugged into a grounded receptacle;
- d) The casters (wheels) must be secure in place prior the moving the air purifier.

5- START-UP

- a) Place the air purifier in the desired area for use. Ensure all filters are installed;
- b) Make sure the air intake area (bottom) is not obstructed in any way.
- c) Insert male end of power cord into grounded circuit;
- d) Turn power toggle switch to "HIGH" position.
- e) Air purifier should now be functioning and operational;

WARNING: DO NOT OPERATE UNIT UNLESS ALL FILTERS ARE IN PLACE.

6- FILTER MAINTENACE PROGRAM

AF400-D (HEPA Air Purification)

Part No.:	Stage #	Filter Type	Replacement Time
F071(6/bx)	Stage I	Dust Filter	Every 3 months
F073	Stage II	Hi-Cap Filter	Every 12-15 months
F075	Stage III	Hepa Filter	Every 24-30 months

AF400-DM (HEPA and Odor Purification)

Part No.:	Stage #	Filter Type	Replacement Time
F071(6/bx)	Stage I	Dust filter	Every 3 months
Nc-gpc	Stage II	Odor Granule refill	When odor is detected
F075	Stage III	F075	24-30 months

Bio-Scan (B100-HEPA Air Purification)

Part No.:	Stage #	Filter Type	Repl. Intreval
F071(6/bx)	Stage I	Dust Filter	Every 3 months
Nc-gpc	Stage II	Odor Granule refill	When odor is detected
F074	Stage III	Hepa Filter	24-30 months

Bio-Scan plus (B200-HEPA Air Purification for Allergies)

Part No.:	Stage #	Filter Type	Repl. Intreval
F069-220(8/bx)	Stage I	Dust Filter	Every 3 months
F075	Stage II Stage III	6" Tall Hepa Filter	24-30 months

7- AF400-D and AF400-DM SPECIFICATIONS

Dimensions, Height:	28.5"(724mm)	Voltage / Current	120/1/60 / 1.0amps
Dimensions, Width: *	12.75" (324mm)	Max. Power Consumption:	85watts
Dimensions Length:	15.75" (400mm)	Approx. Weight:	48lbs (22kgs)

8- Bio-Scan (B100)and Bio-Scan plus (B200) SPECIFICATIONS

Dimensions, Height:	20"(508mm)	Voltage / Current	120/1/60 / 1.0amps
Dimensions, Width: *	12.75" (324mm)	Max. Power Consumption:	85watts
Dimensions Length:	15.75" (400mm)	Approx. Weight:	48lbs (22kgs)



9- FILTER REPLACEMENT - AF400

Proper maintenance is critical to extend the life of the filtration system. The information presented below outlines basic maintenance procedures ensuring the unit will provide trouble-free operation for years to come. The purifier is designed to allow quick access to the filters, blower/motor and control panel assembly.

Stage I (Bottom) DUST FILTER p/n F071

- Change the dust filter every three months (or more) depending on the dust level in the area;
- To do this, turn OFF the unit. Unplug from wall outlet, unscrew the (2) thumbscrews at the base of the unit;
- Remove the door, replace filter, ensure you close door prior tighten thumbscrews prior to operation;

Stage II (Middle)* Hi Capacity Filter p/n F073 (*AF400-D models, only)

- Change the HiCap filter every 12 to 16 months depending on the dust level in the area;
- To do this, turn OFF the unit. Unplug from wall outlet, unlatch the top section and remove;
- Pull out Stage II through the top. Replace with new Hi Capacity filter (make sure air flows are pointing up) Secure top back into position and both latches. The airtight seal should be maintained.

Stage II (Middle)** Filter Tray Odor Granules (**AF400-DM models, only)

It is important the odor granules be replaced immediately upon any detection of odor from air purifier.

(odor granule, refill only, p/n F072-gpc)

To refill tray with new odor granules:

- a) Ensure that the unit is unplugged, unlatch top section and remove.
- b) Pull out filter tray and discard any remaining odor granules, refill with new odor granules.
- c) Put filter tray back into position (Stage II / middle). Secure top back into position and both latches. The airtight seal should be maintained.

Stage III (Top) HEPA (p/n F075)

- Under typical applications, should last between 36 to 60 months (depending on applications);
- To do this, turn OFF the unit. Unplug from wall outlet. Unlatch the top section and remove;
- Pull out HEPA Filter from the top;

10- FILTER REPLACEMENT – Bio-Scan

Proper maintenance is critical to extend the life of the filtration system. The information presented below outlines basic maintenance procedures ensuring the unit will provide trouble-free operation for years to come. The purifier is designed to allow quick access to the filters, blower/motor and control panel assembly.

Stage I (Bottom) DUST FILTER p/n F071 (Bio-Scan models only)

- Change the Dust Filter filter every 3 months depending on the dust level in the area;
- To do this, turn OFF the unit. Unplug from wall outlet, unlatch the top section and remove;
- Pull out Stage II & Stage III through the top. Replace with new Dust filter (make sure air flows are pointing up) Secure top back into position and both latches. The airtight seal should be maintained.

Stage II (Middle)** Filter Tray Odor Granules (**Bio-Scan models, only)

It is important the odor granules be replaced immediately upon any detection of odor from air purifier.

(odor granule, refill only, p/n F072-gpc)

To refill tray with new odor granules:

- a) Ensure that the unit is unplugged, unlatch top section and remove.
- b) Pull out filter tray and discard any remaining odor granules, refill with new odor granules.
- c) Put filter tray back into position (Stage II / middle). Secure top back into position and both latches. The airtight seal should be maintained.

Stage III (Top) HEPA p/n F074 (Bio-Scan models only)

- Under typical applications, should last between 36 to 60 months (depending on applications);
- To do this, turn OFF the unit. Unplug from wall outlet. Unlatch the top section and remove;
- Pull out HEPA Filter from the top;

11- FILTER REPLACEMENT – Bio-Scan plus

Stage I (Bottom) DUST FILTER p/n F069-220 (Bio-Scan plus models only)

- Change the Dust Filter filter every 3 months depending on the dust level in the area;
- To do this, turn OFF the unit. Unplug from wall outlet, unlatch the top section and remove;
- Pull out Stage II through the top. Replace with new Dust filter Secure top back into position and both latches. The airtight seal should be maintained.

Stage II & III (Top) HEPA p/n F075 (Bio-Scan plus models only)

- Under typical applications, should last between 36 to 60 months (depending on applications);
- To do this, turn OFF the unit. Unplug from wall outlet. Unlatch the top section and remove;
- Pull out HEPA Filter from the top;

12- SPEED CONTROL

- Dial in desired level of speed (Note: faster speeds provide superior levels of air purification)

13- MOTOR SERVICE

- The motor is brushless. No user motor maintenance is required.

14- ANNUAL GENERAL INSPECTION

Every 12 months, verify that all gaskets (seals) are in proper condition. Should the gaskets adhere to the filter, lubricate its surface with a transparent grease or petroleum jelly. Should the unit be relocated continuously for optimum efficiency, ensure all casters (wheels) are tightly fastened and secure.

15- TROUBLESHOOTING GUIDE

Symptoms	Possible Cause	Suggested Solution
Unit will not start	Faulty Power supply Return or supply grille blocked HEPA filter improperly installed Blown fuse Unit not plugged into receptacle	Check breaker box Remove obstruction See Section 9, 10,11 Replace fuse Plug unit in
Excessive noise	Motor wheel contacting inlet ring Fan isolators loose or off	Realign/replace motor Replace isolator
Insufficient airflow	Obstruction in system or clogged filters	Remove obstruction or replace filters
Excessive airflow	Filters not in place	Install filters

16- REDUCTION IN AIRFLOW

As the unit cleans the air, the filters are removing the particles of dust and dirt in the air. As the filters accumulate dirt (both visible and microscopic), a restriction on the motor is created. As the restriction becomes greater, the air capacity delivered by the motor decreases and the air purification less effective. IT IS VERY IMPORTANT TO CHANGE FILTERS ON A REGULAR BASIS (See filter maintenance above).

17- 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 two 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.

18- SPARE PARTS

Qty	Description	Part
1	Fuse	E086
1	1/8" Gasket Roll (40')	H006
1	AF400 Motor, 120v	A001
	AF400 Motor, 230v	A035
1	Blower Motor Assy-120v	A045

Qty	Description	Part
4	Fan Isolators	H454
1	Speed Ctrl (dial only)	E181
1	Speed Control, 120v	E158
	BioScan Motor, 120v	A014
1	Line cord-120v	E118

Qty	Description	Part
1	Toggle Switch	E011
4	Casters	H042
1	Speed Control-230v	E170
	BioScan Motor,230v	AB021
1	Line cord (Std-230v)	E130