

BLADE

INDOOR AIR QUALITY SOLUTIONS

USER GUIDE

HCFM-1 and HCF-2

HEPA Air Purifier



Rev. 1.0

www.bladeair.com

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SAFETY NOTICE

IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

CAUTION: Before carrying out any maintenance or servicing, ensure the unit is disconnected from the main supply.

WARNING- TO REDUCE THE RISK OF FIRE, ELECTRICAL SHOCK, OR INJURY TO PERSONS, OBSERVE THE FOLLOWING:

- a) Use this unit only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.
- b) To reduce risk of electrical shock do not expose to water or rain.
- c) Before servicing or cleaning unit, switch power off at service panel.

INSTALLATION AND OPERATION

Initial Installation

Place the unit into desired location.

Note: When mobilizing unit, have one hand firmly on top of the unit and push with other hand.

Warning: failing to push correctly or debris impeding wheels may lead to the unit tipping, which can result in serious injury. **Do not lift the air purifiers by the wheels.**

Once the unit is placed in the desired location, lock castors by flipping switch down into lock position on each wheel that has a lock.

Operating

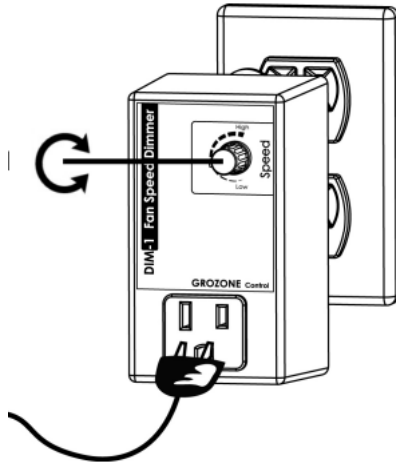
Plug unit into a 120 VAC outlet (see safety notice on page 1).

Note: Do not plug in unit if there is any physical damage to the power cord.

Optional Speed Controller

If using a speed controller provided, plug the speed controller into a 120 VAC outlet (see safety notice on page 1).

Connect unit into the front panel outlet. (Image below)



In LOW position, this controller will NEVER turn your unit OFF and will keep your unit running at Idle speed (also called minimum speed).

Optional Wall Mounting

Required assembly pieces are found in box.

Wall mounting service available by Blade Air staff.
Please call (416) 701-0201 with a request.

For 3/8" - 5/8" Thick Drywall:

Required: 1) Zinc alloy wall anchor and 2) a No.8 2-1/2" zinc alloy bolt

Step 1: Measure the distance from the ground to just below the top of the keyhole shape on the back of the

unit (the end of the thinner slot portion) and mark this spot.

Step 2: Drive the anchor into the wall.

Step 3: Insert the bolt into the anchor and tighten until approximately 1/4" of the threads on the bolt are still showing.

Step 4: Ensure the side of the unit with the keyhole is facing the wall with the bolt sticking out.

Step 5: Line up the keyhole with the bolt.

Step 6: Lever the unit so that the bolt goes into the keyhole.

For Mounting to a Stud:

Required: 1) No.8 1-5/8" zinc alloy screw

Step 1: Measure the distance from the ground to just below the top of the keyhole shape on the back of the unit (the end of the thinner slot portion) and mark this spot.

Step 2: Drive the screw into the wall until approximately 1/4" of the threads are still showing.

Step 3: Ensure the side of the unit with the keyhole is facing the wall with the bolt sticking out.

Step 4: Line up the keyhole with the bolt.

Step 5: Level the unit so that the bolt goes into the keyhole.

NOTE: Unit should never be mounted off the floor.

MAINTENANCE

CAUTION: Before carrying out any maintenance or servicing, ensure the unit is disconnected from the main supply.

NOTE: Wear proper personal protective equipment for handling used filtration elements. A medical grade mask and nitril gloves are strongly recommended.

Maintenance required:

- 1) HEPA Filter - 4,380 running hours (6 months, if run 24/7)
- 2) Carbon Filter - 8,760 running hours (12 months, if run 24/7)
- 3) Pre-Filter - 8,760 running hours (12 months, if run 24/7)

Ensure castors are in the lock position.

Unfasten tamperproof screws securing top hood.

Remove the four nuts securing down the carbon filter.

Pull out the carbon filter and HEPA filter (found below carbon filter) and set aside.

Place in new HEPA filter and carbon filter.

NOTE: Ensure the airflow direction indicator on the side of the HEPA is facing the upward direction.
Secure four nuts to compress filter elements.

Close the unit and resecure the hinged cover with the screws.

Pre-filters can be changed by sliding them out-and-in of the side of the unit.

Maintenance complete.