



# OH1010 Overhead Air Purification System

## Installation Instructions & Consumer Information



The Dynamic OH1010 Overhead Air Purification System will remove the smallest sub-micron particles (97% at .3 microns) in addition to odors and gasses and offers an excellent solution in applications where tobacco smoke is present. Polluted air is drawn in through the bottom return grille and purified air is expelled through the cabinet side louvers.

Model OH1010-B: includes an on-board "high/low/off" switch, convertible to OH1010-R.		
Model OH1010-R: shipped with one (1) wired wall control. Controls up to four (4) units.		
Airflow capacity:	750 cfm (max)	Cabinet: light gray enamel
Electrical Input:	11/220/240VAC, 50/60Hz	Weight: 45 lbs. (20kg)
Power Consumption:	400W (max)	Speeds: 2 speed
Noise Level @ 1m:	52 db (low), 62 db (high)	

### Section I. Sizing:

For any air cleaner to be effective, it must be able to remove airborne contaminants faster than they are generated. This is accomplished with a sufficient number of air changes through the air cleaner. The recommended number of air changes will vary with the contaminant level of the application and the desired fan speed. Air changes per hour = cfm x 60 / square feet.

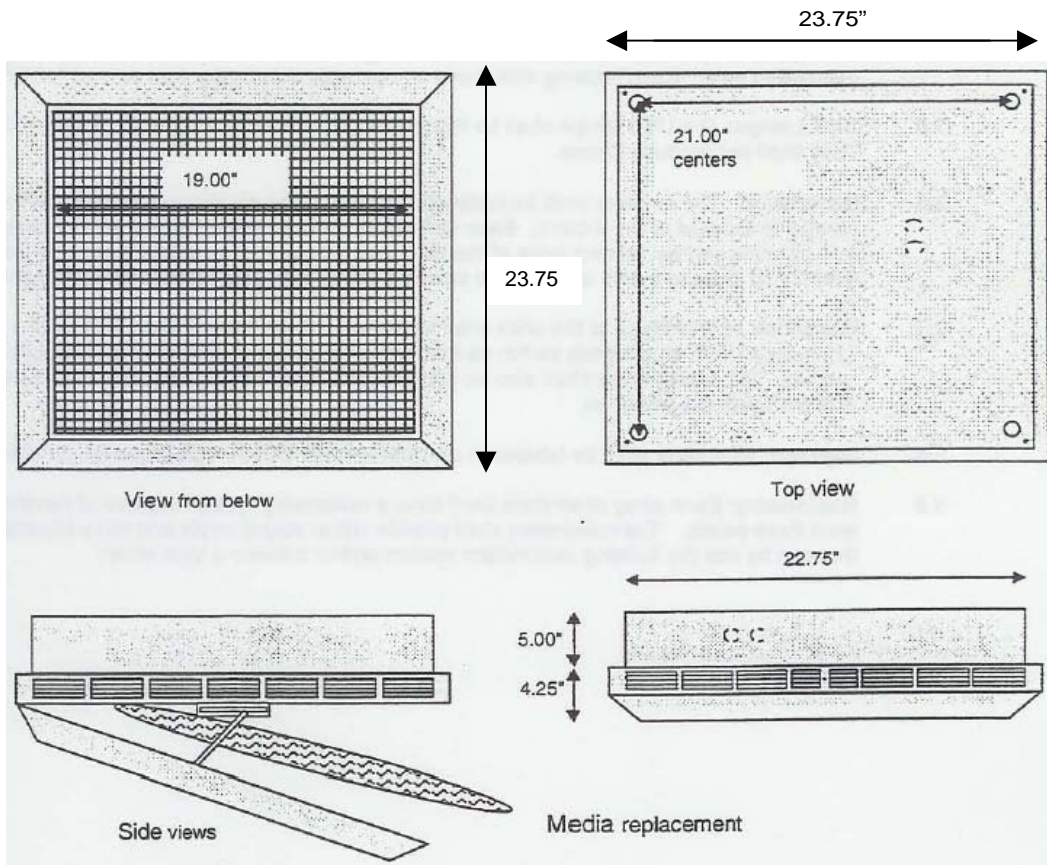
Recommended air changes:

- Conference room with occasional smoke.....6-8 per hour.
- Bar or restaurant (smoking).....10-12 per hour.
- Smoking room / Bingo Hall / VFW Hall .....14-16 per hour.

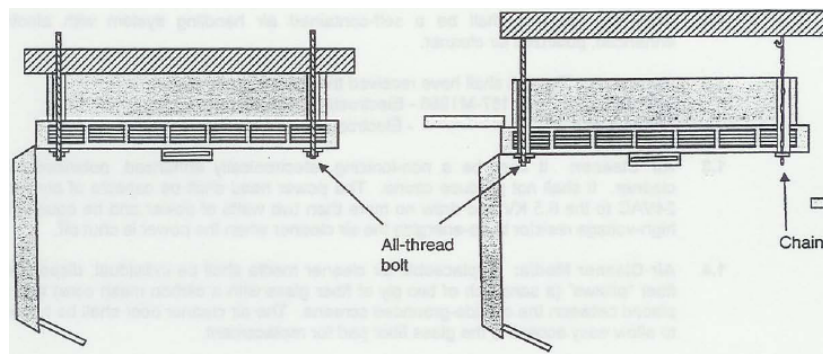
Example: In an 400 square foot conference room, the unit will run on low speed for maximum quiet (500 cfm).  $500 \times 60 = 3000 / 400 = 7.5$  air changes per hour.

In many applications, one inch or two inch polarized-media Dynamic Air Cleaners are applied to the air handlers in the central heating and cooling system and OH1010 units are used to supplement the general air change rate in heavy use areas, such as over the bar area in a restaurant.

## Section II. Installation:

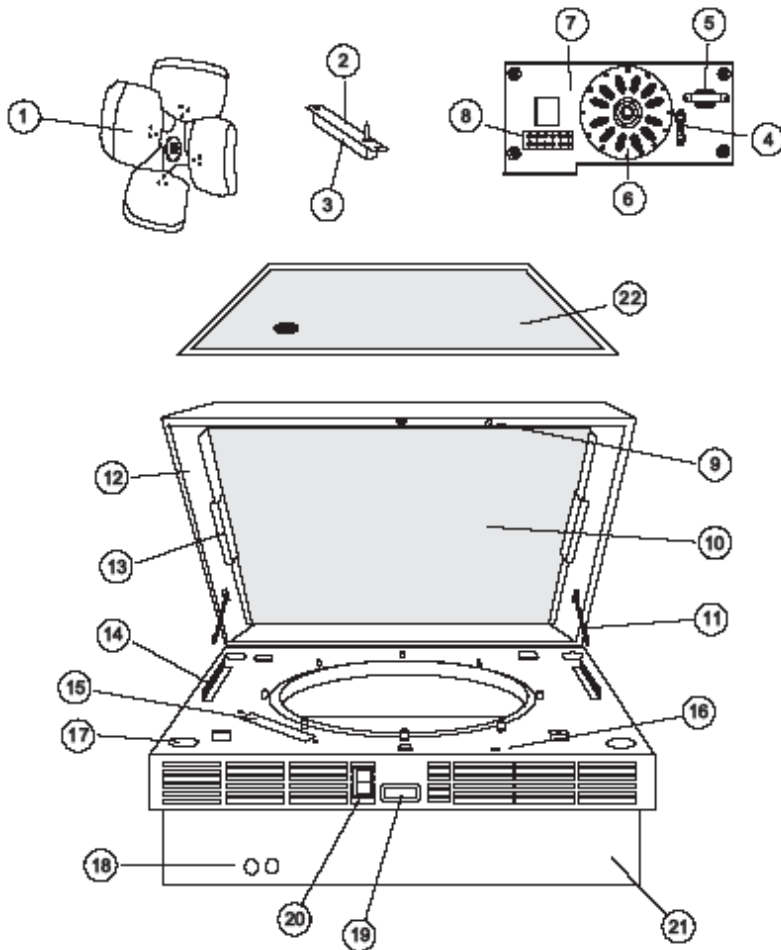


1. Remove the unit from its carton. Be sure to remove and discard all packing material. Place the unit on a level surface with the grill side facing up.
2. Open the lid by depressing the button on the side of the unit. Lift the grill and remove the two press-in plugs in the tracks for the grill arms.
3. Remove the grill arms by pushing the roller wheels through the track. Open the lid fully.
4. Remove the two screws holding the ground screen. Pull the screen out of the slots.
5. Using a 5/32" Allen wrench, remove the fan from the motor shaft.
6. Power to the unit can be run through one of the electrical knock-outs provided in the cabinet. Follow local electrical codes and ordinances.
7. The unit can now be mounted either partially recessed into a drop ceiling, with 4.25" exposed, or fully exposed on a hard surface, with 9.25" of total depth exposed. The unit can be suspended using threaded rod or chain and hooks, or can be mounted directly to a surface with lag bolts and washers. The OH1010 can be mounted vertically on a wall.





## Section V. Replacement Parts



1. Fan Blade
2. Electronics Cover Plate
3. Electronics
4. Fuse (250V / 5Amp)
5. Transformer
6. Motor
7. Motor Mounting Plate
8. Terminal Block
9. Interlock Plunger
10. Aluminum Grill
11. Lid Support (2)
12. Lid
13. Grill Retainer
14. Slider Track
15. Electronics Well
16. Interlock
17. Mounting Holes (4)
18. Electrical Knockouts
19. Lid Release Button
20. Onboard Switch (Optional)
21. Cabinet
22. Fan Screen

**FOR TECHNICAL SUPPORT  
Call (800) 578-7873**

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