
INDOOR AIR QUALITY SOLUTIONS

MiracleAir™

State Of The Art Air Filtration System!



High efficiency particulate (HEPA) filter combined with optimized sorbent media provides the ultimate solution for indoor air pollution capturing both particulate and gaseous contaminants. Removes pollen, odors, tobacco smoke, dust and vapors.

Manufacturer and Worldwide Distributor of Air Cleaning Systems for Over 25 Years

TABLE OF CONTENTS

	PAGE
SPECIFICATIONS	3
INTRODUCTION	4
PRINCIPLES OF OPERATION	4
SETUP AND OPERATION	5
Unpacking the MiracleAir Air Cleaner	5
Setup / Locating the MiracleAir	5
Operating the MiracleAir	5
MAINTENANCE	5
FILTER REPLACEMENT	6
Frequency for Replacement	6
It is Time to Replace Your Filters When...	6
Filter Replacement	6
Replacement Filters Part Numbers	6
PARTS LIST	7
WARRANTY	8

SPECIFICATIONS

- IMPORTANT -

THE SPECIFICATIONS GIVEN IN THIS PUBLICATION DO NOT INCLUDE NORMAL MANUFACTURING TOLERANCES; THEREFORE, THIS UNIT MAY NOT MATCH THE LISTED SPECIFICATIONS EXACTLY. ALSO, THIS PRODUCT IS TESTED AND CALIBRATED UNDER CLOSELY CONTROLLED CONDITIONS AND SOME MINOR DIFFERENCES IN PERFORMANCE CAN BE EXPECTED IF THOSE CONDITIONS ARE CHANGED.

DIMENSIONS: Cabinet – 15 5/8”L x 15 5/8”W x 22 1/2”H. See Fig. 1.

CABINET: All metal cabinet with a durable powder coat finish.

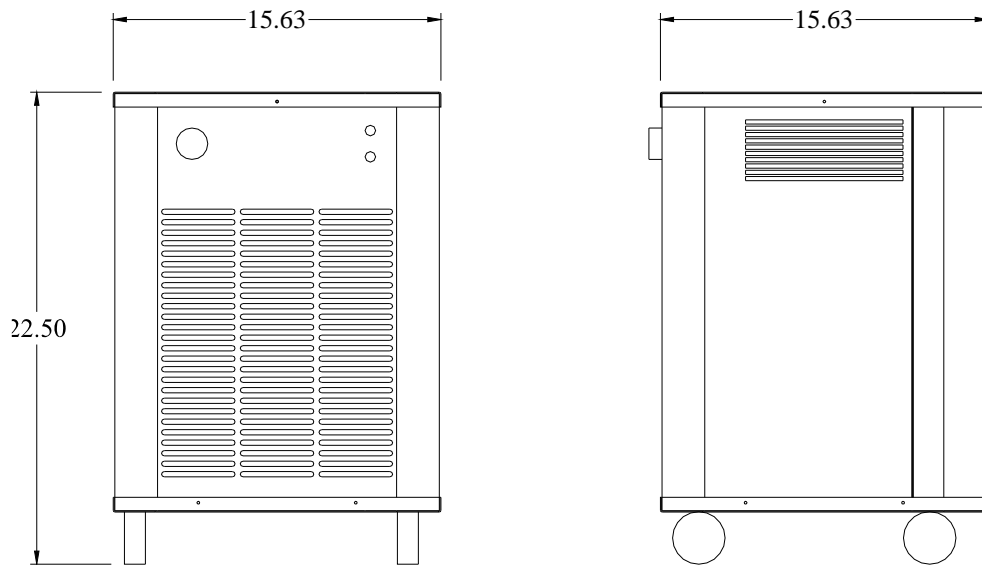


FIG. 1

WEIGHT: Shipping, 57 Lbs.; Installed, 49 Lbs.

AIRFLOW: 50-400 CFM @ 0.9" WG

MOTORIZED IMPELLER: Backward curved, vibration free, direct drive rated at 710 CFM @ 0" WG

POWER: 115 V, 60 Hz, 223 Watts

SOUND LEVELS: High - 65 dBA @ 3 meters

Low - 35 dBA @ 3 meters

INTRODUCTION

The new Miracle Air is a comprehensive, state-of-the-art HEPA filtration system that addresses odor, vapor and particulate for ensured indoor air quality. You can expect noticeable improvements in your atmosphere as your air cleaner removes dirt, grime, smoke from the air in your home or office.

POLLEN

Many pollens and other airborne particles are so small they can't be seen. Your Miracle Air Cleaner removes these pollens and other airborne particles using a 99.97% efficient at .3 micron, hospital-grade, HEPA filter. The Miracle Air has more filter media than any other unit in its class.

SMOKE

Smoke is composed of tiny submicroscopic particles. Collectively, these particles make up that annoying haze. In dense concentrations, the particles form layers and can stay suspended in the air for hours. These particles eventually settle out as a dulling film that is often visible on windows or mirrors. Your Miracle Air will remove virtually all of these particles before they have a chance to be inhaled or before they have a chance to settle on your furnishings.

ODOR

Your Miracle Air will remove odors and vapor contaminants with 15 lbs. of an optimized sorbent media mixture of activated carbon, alumina potassium permanganate and zeolite. This is more sorbent media than any other units in its class. **THIS FILTER IS OPTIONAL AND MUST BE ORDERED SEPARATELY.**

REDUCED HOUSEKEEPING AND REDECORATING

With the Miracle Air, your home or office should stay cleaner longer. The dirt and grime that normally settles on your walls, windows, mirrors, draperies and furniture is being removed. You should notice a reduction in the soiling effect of these pollution particles on your furnishings. The Miracle Air's inlet airflow system effectively cleans the entire area.

Because most of the staining particles are removed from the air before having a chance to settle on walls, ceilings and draperies, you don't have to redecorate as often. Painted surfaces last longer, draperies stay cleaner and wallpaper stays brighter.

PRINCIPLES OF OPERATION

HOW YOUR MIRACLE AIR WORKS

Your dirt, dust, smoke and pollen contaminated air is forced through a three-stage filtering process.

The First Stage – The prefilter traps large particles like dust and pet hairs, protecting your HEPA filter and extending its life.

The Second Stage – The HEPA filter will remove virtually all of the remaining particles in the air including pollens and smoke particles.

The Third Stage – The **OPTIONAL** odor/VOC carbon filter removes odors and other gaseous pollutants.

SETUP AND OPERATION

WHEN USING THIS PRODUCT...

read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.

UNPACKING THE MiracleAir AIR CLEANER

Remove your MiracleAir Air Cleaner carefully from the box. Remove the plastic bag and check that all components are included. The MiracleAir Air Cleaner is shipped assembled and includes everything shown in Fig. 1.

SETUP / LOCATING THE MiracleAir

Position the MiracleAir so:

- The airflow in and out of the air cleaner is not blocked or partially obstructed.
- The discharge air does not cause uncomfortable drafts for any occupant.
- The power cord does not interfere with normal occupant traffic.

The MiracleAir comes ready for operation. Simply plug the power cord into any standard grounded outlet.

OPERATING THE MiracleAir

The controls are located on the front side of your MiracleAir Air Cleaner. It is equipped with a variable motor speed controller.

Generally, the high fan speed is used in extreme conditions for rapid cleaning or for large areas where the high fan speed is required to circulate the air. Medium and low settings are usually adequate to maintain a clean air environment and to offer a quieter operation.

It is recommended that you operate your MiracleAir 24 hours a day because indoor air becomes quickly contaminated by activity in a room.

MAINTENANCE

CLEANING

The black prefilter of the MiracleAir may be cleaned with a vacuum hose. This will extend the life of your prefilter and maintain maximum performance.

Vacuuming can not clean the media filter and carbon filters.

FILTER REPLACEMENT

FREQUENCY FOR REPLACEMENT

The Miracle Air is designed to have a very long filter replacement interval. This is accomplished because of the large volume of media used in both the HEPA filter and the odor/VOC filter. See the Specifications section for details.

Prefilter – The prefilter captures large particles and extends the life of the HEPA filter. The prefilter should be cleaned every 1-3 months and replaced every 6-12 months.

HEPA Filter – The HEPA filter removes the smaller submicron particles that pass through the prefilter. The HEPA filter could last up to five years.

Odor/VOC Filter – **OPTIONAL** - This filter removes odors and other gaseous pollutants. The odor/VOC filter could last from one year up to five years.

The specific environment that the MiracleAir is installed in determines the exact maintenance interval. If there are sources that generate large quantities of particles or gaseous contaminants, the useful life of the filters will be used up in a shorter period of time.

IT IS TIME TO REPLACE YOUR FILTERS WHEN

- The air volume is decreased dramatically with a cleaned prefilter. This means the useful life of the HEPA filter is used up.
- The odor/VOC filter no longer removes odors.

FILTER REPLACEMENT

To replace your prefilter, media filter or carbon filter gently flip your MiracleAir upside down onto a soft surface. Be sure the power cord to the unit is unplugged. Refer to Fig. 2 if you are uncertain which filters are being referred to. Remove the eight screws located at the unit's base and remove the bottom cover. Each of the three filters may be removed by simply lifting them from the air cleaner. They are not fastened down in any way. Replace the new filters back inside your MiracleAir and replace the bottom cover. To order new filters, see the following section.



FIG. 2

REPLACEMENT FILTERS

Replacement filters may be purchased from your local dealer or you may call our toll free number (800) 237-9199. Select the appropriate filter from the chart below:

PARTS LIST

NUMBER	DESCRIPTION	PART NUMBER
1	Prefilter	41174
2	HEPA Filter	41164
3	Activated Carbon Filter	41163
4	Motorized Impeller	40067
5	Capacitor	40104
6	Speed Controller	10277
7	Knob	30769

To order, call **Toll Free (800) 237-9199**.

CERTIFICATE OF WARRANTY

3-YEAR LIMITED WARRANTY

Air Quality Engineering, Inc., warrants to the original purchaser, subject to the conditions below, that should the product covered by this warranty ("Product") fail to perform by reason of improper workmanship or material, Air Quality Engineering, Inc., ("AQE") will, during the period of three (3) years from the date of original purchase, either, (i) replace the Product or (ii) provide all necessary parts to repair the Product, without charge. The decision to replace the Product or the necessary parts shall rest solely with AQE. This 3-year limited warranty does not apply to main filter elements. Air Quality Engineering, Inc., will replace without charge the main filter elements during the period of thirty (30) days from the date of original purchase if the main filter elements fail to perform by reason of improper workmanship or material. This warranty is valid only under the following conditions:

CONDITIONS

1. **AUTHORIZATION:** Purchaser will contact Air Quality Engineering, Inc., 800-328-0787, for authorization, returned goods authorization number (RGA) and shipping address. AQE will direct purchaser to either return the necessary parts or the Product at AQE's option.
2. **PROPER DELIVERY:** The shipping, freight prepaid, or delivery of the parts or the Product to Air Quality Engineering, Inc., in either its original carton or in a carton assuring similar protection of the Product with returned goods authorization number (RGA) clearly displayed on the outside of the carton.
3. **UNAUTHORIZED REPAIR:** A showing by the original purchaser that the Product has not been altered, repaired or serviced by anyone other than an authorized service technician using genuine AQE parts.
4. **UNAUTHORIZED PARTS:** A showing by the original purchaser that the Product has had only genuine Air Quality Engineering, Inc., parts and filters used in its operation and maintenance.
5. **SERIAL NUMBER INTACT:** A showing by the original purchaser that the Serial Number has not been altered or removed.
6. **MISUSE:** A showing by the original purchaser that the Product has not been involved in an accident, freight damaged, misused, abused or operated contrary to the instructions contained in the Owner's Manual.

Air Quality Engineering, Inc.'s, sole responsibility shall be to repair or replace the Product within the terms stated above. AQE shall not be liable for any consequential damages resulting from any breach of warranty, express or implied, applicable to this Product. Some states do not allow the exclusion or limitation of consequential damages so this limitation may not apply to you.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY EXCLUDED BEYOND THE THREE -YEAR DURATION OF THIS WARRANTY. Some states do not allow limitations on how long an implied warranty lasts so the above limitation may not apply to you.

This warranty gives you specific legal rights and you may also have other rights that vary from state to state.

**AIR QUALITY ENGINEERING, INC.
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MANUFACTURER & WORLDWIDE DISTRIBUTOR OF SMOKEMASTER® AIR CLEANING SYSTEMS