

**Instructions and information for
your Model HM 400
Austin Air Cleaner**

Read and save these instructions



Austin
Air Systems, Ltd.

Thank you for buying the Austin Air Cleaner.

The Austin Air Cleaner is designed for the highest standards of durability and effectiveness to give you a healthy clean air environment for years to come. Built in to your Austin Air Cleaner are the highest levels of filtration media available today. True HEPA filtration material will remove particulate contaminants, while activated carbon and zeolite effectively eliminate harmful gases and noxious odors.

The motor in your Austin Air Cleaner has been especially engineered to run continuously at minimal cost in energy, with no danger of overheating. That means that you can confidently have your air cleaner operating all of the time to keep your indoor air environment constantly clean and fresh. The unit is also designed for exceptionally quiet operation, so that the Austin Air Cleaner will be a friend in your home or place of business.

The welded steel construction and special powdered coating give the Austin Air Cleaner a tough but attractive finish that resists denting and surface damage. The build quality of your air cleaner will stand up to years of constant usage. In most cases, the filter will not need replacement for at least five years.

Please read the information in this booklet. It will help you to obtain maximum effectiveness and carefree service from your Austin Air Cleaner.

For your records

For future reference, write your Austin Air Cleaner's serial number and filter model here. This information will help us to serve you better, should a technical issue arise.

Serial Number: _____

Filter Model: _____

Date Purchased: _____

Where Purchased: _____

Unpacking — Important! Please read carefully

1. Open the top of the box and remove the foam cushion. You will notice that the air cleaner has been packed upside down to prevent damage while in transit.
2. Copy the serial number located on the bottom, so you do not have to turn the unit over at a later time.
3. Remove the inner cardboard lining by placing your hand in the provided slots and pull up and completely out.
4. Carefully turn the box upside down with all four flaps sticking out so the box can be lifted off of the air cleaner.
5. Do *not* try to remove the air cleaner by lifting it up by the wheels. Save the packing contents for future shipping.

Choosing a location

Years of research and the experience of thousands of customers have shown that the best location for home use of the air cleaner is in the bedroom. Overnight use gives the most prolonged exposure to clean air and has proven particularly effective for those with such respiratory problems as asthma, allergy and emphysema.

The air cleaner should be at least 4 inches, or 10 cm, from the wall and on a flat surface. Ensure that the cord does not interfere with traffic in and out of the room. Your air cleaner can also be moved easily on its four wheels to other parts of your home for general cleaning or odor removal.

Starting your air cleaner

For your safety, the three prong plug requires a grounded outlet. Attach the plug to any standard three prong 120 volt wall outlet.

Turn the knob on the front of the unit clockwise; the unit will start in the high position. By continuing to turn the knob clockwise, the unit will reduce the airflow to medium and then low.

Turn the unit off by turning the knob counter clockwise until the unit no longer blows any air.

What is the sound level?

On high, the Austin Air Cleaner expels air about 35 mph / 55km, producing a noise equivalent to normal conversation. On medium setting, the sound level is low enough to not interfere with conversation or study. On low, it is almost impossible to hear.

While you will find the noise levels on high setting noticeable, most users find it unobtrusive and restful. Many report that is even an aid to sleep.

Do Austin Air Cleaners produce ozone or any other toxic substances?

The answer is no. Many companies are still producing electrostatic precipitators, ionizers, ozone generators and other electronic air cleaners. None of these are acceptable to the medical or scientific communities. In fact, many of these health products are considered not only antiquated but extremely dangerous to your health.

How do I maintain my air cleaner?

All Austin Air Cleaners are essentially maintenance free. The motor has been developed to run 24 hours a day and remain cool and efficient without breaking down. The filters have been built to last five years under normal residential use.

The intake grill is situated on the body, with the filter immediately behind it, so that large dust particles are trapped on the exterior. This permits easy cleaning with a home vacuum cleaner.

Austin's PERMAFILT prefilter therefore replaces the costly and wasteful expense of replacing filters every three months. The only other maintenance required is occasional wiping off the powder-coated exterior finish.

What about my electric bill?

It will cost you about one cent per hour to run the Austin Air Cleaner on high speed. Austin uses a special motor to reduce energy consumption by 50% and the large filter surface area reduces energy further by decreasing the motor load.

What is the capacity of my air cleaner?

The air flow for the Austin Air Cleaner is rated at 400 cubic feet per minute (CFM), or 11.2 cubic meters per minute (CMM.)

In the average living space, the Austin Air Cleaner will clean 1,500 square feet, or 140 square meters.

In practice, however, the capacity of the machine depends on a wide variety of factors — how many people are in the area, if they are smoking, whether the room has electrically-heated or forced air, whether windows are opened or closed, and so forth.

You can be confident that your Austin Air Cleaner has not only superior standards for *how much* air is cleaned, but more importantly *how well* the air is cleaned. Your Austin Air Cleaner has unsurpassed levels of HEPA media to remove particles, and carbon/zeolite to eliminate gases and odors.

Why does the air at times feel cool?

The air is not any cooler than the air in the room. In fact, it is warmer. The cool effect is caused when the blowing air removes the insulating air on the surface of your skin, which is about 98.6°F, or 37°C. The convection of blowing air exposes your skin to room temperature air, which is about 30°F, or 17°C, cooler than your body temperature. This cooling effect can be avoided by turning the clean air vent away from yourself.

How long will my air cleaner last?

Austin guarantees your air cleaner to be free of defects for a period of 5 years from the day you receive it.

If anything goes wrong within that time, under normal residential use, simply contact our Customer Service Department for instructions on returning the unit to the factory.

It will be repaired or replaced at no charge except for shipping and handling. The main filter drum also carries a 5 year pro-rated warranty similar to that of a car battery.

Tell me something about HEPA filtering media?

HEPA is an acronym for High Efficiency Particulate arresting. It is laser tested and guaranteed to capture 99.97% of all particles larger than .3 microns. A hair on your head is about 300 times larger than this. It was developed by the U. S. Atomic Energy Commission to prevent radioactive particles from escaping into the atmosphere. It has become the standard for both the medical and scientific communities. Hospitals are required to use HEPA in all operating rooms.

Tell me something about activated carbon.

Activated carbon is the most effective substance for removing gases and odors. The best activated carbons are made from coconut shell because of its hardness and high absorption rate — absorbing up to 60% of its own weight in gases. Austin has developed several specialty filters, using what commonly referred to as impregnated carbons. These specialty filters are used to absorb highly concentrated levels of specific chemicals.

Tell me about Zeolite.

Zeolite is a group of minerals. They are mined and vary in consistency from fibrous materials to a rocky substance. Austin uses the rocky substance which is the best and completely safe. Zeolite is particularly good at absorbing gases in the 3 to 5 angstrom range which is below the capacity of normal activated carbon. Ammonia, sulfides, and formaldehyde are some of the chemicals that would fall into this group.

How do I know when these filters need changing?

If you find that air flow in the high position has been reduced substantially, or you have noticed a difference in air freshness, you may send us the filter under the warranty terms for a replacement.

Are there any plastic parts?

We have gone to considerable trouble to eliminate as many petroleum based products as possible in an effort to help the growing population of chemically sensitive people. As a result, the only plastic parts are the fan, wheels and knob. These parts are fully cured without having any noticeable gas off-lift.

How do I change the filter?

1. Disconnect the unit from power supply before servicing.
2. Turn the air cleaner over on a soft surface such as a rug.
3. Remove the four retaining screws with a phillips head N2 screwdriver.
4. Pull out the large filter by grasping the ring from the corner area of the unit.
5. Remove the prefilter.
6. Install your new filter by reversing the above procedure.

Cleaning your prefilter

In some cases, in which there is a concentrated source of odor — such as heavy tobacco smoke or garlic in cooking-or heavy airborne particles, such as animal fur, the prefilter may become congested. A washing of the prefilter should remove such odors and ensure optimal effectiveness of the machine.

1. Turn over the unit on a soft surface, such as carpeting.
2. Remove the screws on the bottom panel.
3. Remove the panel, and remove the prefilter which lies against the casing of the unit.
4. Place the prefilter in a suitably large tub or bathtub with lukewarm water and mild soap.
5. Gently force water through the filter by pressing down on it.
6. Remove excess water but do not wring dry.
7. Place a towel on a flat surface, then set the prefilter on the towel.
8. Ensure that the prefilter is completely dry. A household fan can accelerate drying.
9. Re-insert prefilter in unit, aligning the seam with the cord.
10. Mount bottom panel on unit and secure with screws.
11. Run air filter on high in a location in which no chemical odors will be absorbed (e.g. garage, basement, outdoor area.)
12. Re-install in home or office and run on high for one hour.

Your new Austin Air Cleaner is warranted to be free from defects in material and workmanship under normal residential use for five years from the date of purchase. In the event of a malfunction or failure of the Austin Air Cleaner, the purchaser should *first* call *1-716-856-3700* to obtain an authorization return number and either take the unit, or send it insured and packaged with sufficient protection to the address listed below. If the malfunction or failure is a result of defects covered by this warranty, Austin Air Systems Limited will, at its option, repair the Austin Air Cleaner and return it to the purchaser.

This warranty is limited to the original retail purchaser and is not transferable. The warranty does not cover damage due to accidents, abuse, tampering or misuse, nor does it cover damage resulting from service by persons other than Austin Air Systems Limited or its agents.

Austin Air Systems Limited's liability under this warranty is limited to the repair or replacement of a defective Austin Air Cleaner with the exception of damages resulting from Austin Air Systems Limited's failure to comply with federal or state warranty law. Austin Air Systems Limited shall not be liable for any incidental or consequential damages whether direct or indirect. The HEPA filter and the activated carbon mixture also carry a five year pro-rated warranty.

This warranty is expressly granted in lieu of all other warranties, which in some states cannot be excluded. There are no warranties which extend beyond the description of the face hereof and no person, representative, or firm is authorized to commit Austin Air Systems Limited to further liability or obligation.

In the event you have any questions concerning the use and care of Austin Air Systems Limited products, service under this warranty, or any other question, please call *1-716-856-3700*.