

Airfree Enviro 60 Air Sterilizer

This informational paper contains many facts and information about Airfree and is also available on our web site www.birdsupplynh.com. For any questions email us at sales@birdsupplynh.com or toll free at 888-319-0136.

Overview

- o Let us introduce you to Airfree the new and clean technology to reduce indoor pollution.
- o The new Airfree technology is much simpler than everything else seen in the Air Purifiers segment: Airfree uses just heat to sterilize indoor air.
- o Inside Airfree's patented ceramic core 99.99% of all microorganisms (spores, fungus, bacteria, virus, mold, dust mites feces and skeleton) are burned at temperatures around 400F (250°C) . This is done without significant heat contribution to the ambient room temperature. Two Airfree's in the same room contribute as much heat as one adult person. No living microorganism survives this power.
- o Airfree is totally silent, maintenance free and its consumption is below 46 watts.
- o Airfree reduces Ozone whereas most ionizers, ozone generators and air purifiers generate such harmful gas that destroys lung tissue and triggers respiratory allergies.
- o Controlling airborne allergens at work and at home makes a significant contribution towards reducing overall exposure to airborne allergens. This is why every successful allergen avoidance program should include an Airfree device as part of an overall allergen avoidance strategy.
- o Airfree is the right choice when choosing an Air Purifier for personal, family, birds or office use.
- o Tested by Independent Laboratories in regular working conditions.



Price for the Airfree Enviro 60, the safe and effective way to Purify the air you and your birds breath, is only \$299.00.

Contact Us to find out more about selling Airfree at your Store or Veterinary Practice.

Airfree Enviro 60 Specifications

Airfree Enviro 60 is the system for people living with asthma, allergies, other respiratory conditions, or for anyone who wants cleaner, more breathable air.

Airfree destroys even the tiniest particles such as viruses and some kinds of bacteria that HEPA filters cannot trap.

Maintenance Free

Replacement Filters can cost \$150.00 or more a year. UV bulbs also cost dozens of dollars. Why spend time buying and searching replacement parts when safer Airfree Technology can be used instead?

Totally Silent

Some air purifiers, like Hepa filters, must operate fans at high speed to reach their highest purification level. Customers must make sure they can sleep with such noise. Airfree is totally silent.

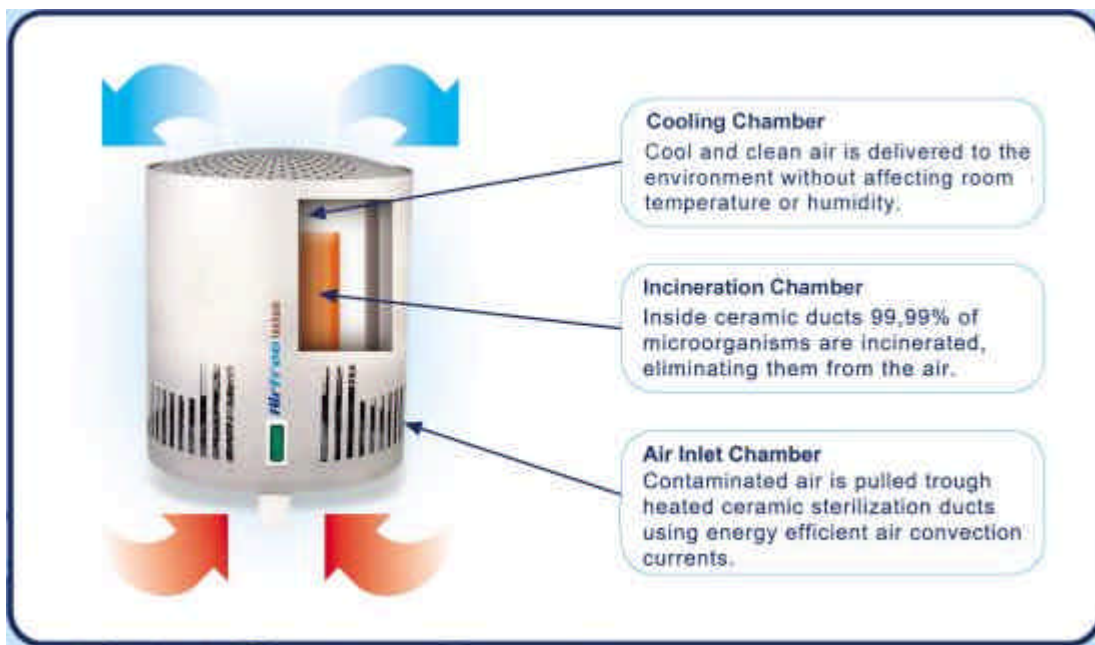
Clean and environmental friendly technology

Airfree offers exceptional performance and it is harmless to the environment.

No glass filter fibers, triclosan-coated paper or any kind of material that can be harmful to the environment when wasted.

Airfree uses just heat. No additional V.O.C.'s are generated. No dangerous Ozone generated. No filters or UV Lights to replace.

How Airfree Works



Easy to use

- o Just plug Airfree in the nearest outlet.
- o Place Airfree on the floor and plug it in to nearest electric outlet.
- o After several minutes make sure top lid is warm.
- o Do not install Airfree over or under furniture, this will disrupt its airflow and reduce its efficiency.

Energy Efficient

Airfree extraordinary new technology was designed for a 24/7 usage without a jump in electricity consumption.

In fact it costs about the same to destroy microorganisms in your home as it does to power a single

lightbulb: only 46 watts

Airborne allergens such as pollen, mold spores, cat or dog dander, ozone, house dust mite skeleton and excrements trigger allergic reactions to sensitized individuals.

We spend an average of 90% of our lives indoors

Specifications

Air purification capacity in rooms	up to 250 sq. ft. w/8 ft. ceilings, approximate room size 15'x17' or smaller or up to 267 sq. ft. w/7'6" ceilings, or 2000 cu. ft. (24 sq. meters)
Air Speed	6.7"/second (17 cm/s)
Ceramic Core Internal Temperature	approx. 400°F - 600°F (200 - 260°C)
Maximum external temperature	144°F (61°C) (warm to the touch but will not burn)
Fan speeds of air purifiers	No fan
Power consumption (voltage/watts)	46 watts, 110v (less than a 50 Watt light bulb)
Noise level	Totally Silent
Dimensions	8"w x 10"h (20X25 cm)
Shipping weight (lbs)	4 lbs (1.8 kg)
Certifications	ISO, CE, UL
Maintenance	Requires no maintenance
Warranty	2 year

Airfree Enviro 60 FAQ

- o How does it work?
- o Is Airfree safe for my Birds?
- o Does Airfree collect and remove dust from a room?
- o Does Airfree remove pet dander from a room?
- o I use a hepa filter now, what should I do?
- o Is there any contra-indication?
- o What is Airfree capacity?
- o Can Airfree be installed in closets?
- o Can Airfree be used in rooms equipped with air conditioned?
- o Can Airfree be installed in any room?
- o Can Airfree be placed in a corridor to protect connecting rooms?
- o Can Airfree be installed in closed rooms?
- o Are windows and doors to be kept closed?
- o Can Airfree be plugged during the day in the living room and switched to the bedroom at night?
- o Shall I unplug Airfree when going out of the house or office?
- o For a quick period Airfree was disconnected. Is there a problem?
- o Does Airfree eliminate bacteria and germs?
- o How does Airfree eliminate dust mites?
- o How does Airfree eliminate fungus?
- o Does Airfree destroy viruses?
- o Does Airfree eliminate tobacco smell?
- o Does Airfree release any gas or chemical product?
- o Does Airfree heat the room?
- o Is the room humidity affected by Airfree?
- o Does Airfree require filter replacement?
- o Is Airfree electric consumption high?
- o Can children be burned when touching Airfree?
- o How long is the warranty?
- o What is CADR?
- o Does CADR measure the effectiveness of the Airfree?

How does it work?

Airfree utilizes heat to sterilize the air dragged into its patented ceramic core by air convection. Inside the ceramic core air is sterilized at high temperatures (between 200° to 300° C). Any living micro-organism, bacteria, virus are incinerated regardless of how dangerous they might be.

Is Airfree safe for my Birds?

Airfree has no harmful emissions that can harm your birds unlike many of its competitors. The US FDA has determined (Visit our site for FDA Article) that ozone is harmful to humans at certain levels and people should not be exposed to ozone. Your birds respiratory system is much more efficient than a humans. Any expose to ozone could be harmful.

Does Airfree collect and remove dust from a room?

No. Airfree is a sterilizer that destroys microscopic viruses, bacterias, and molds from a room

Does Airfree remove pet dander from a room?

Yes. Dander is a protein particle that is destroyed when passing through the Airfree sterilizing chamber. No proteins resist high temperatures. Airfree is a sterilizer that destroys microscopic

viruses, bacteria, and molds from a room

I use a hepa filter now, what should I do?

Any filter that traps particles is a collection point for viruses, bacteria and mold. The filter only cleans particles but does not kill harmful viruses, bacteria and molds. Airfree can work with your current air cleaner by following these steps:

- o Remove and totally clean and disinfect your current air cleaner from the room. This should include replacing all filters.
- o Allow Airfree to run up to 3 weeks to sanitize the air in the room.
- o Place your disinfected air cleaner back into the room. Try to place at the opposite end of the room from Airfree to increase air circulation in the room.

Is there any contra-indication?

Airfree does not have any contra indication, on the contrary it should be used in every room in every single house to improve indoor air quality.

What is Airfree capacity?

Airfree Enviro RL 60 has capacity up to 250 sq. ft. w/8 ft. ceilings with an approximate room size 15'x17' or smaller. Larger rooms require more than one device.

Can Airfree be installed in closets?

Yes, as long as Airfree is not placed under shelves. Airfree is ideal for pantries and placed free of obstacles. Recommended minimum room volume is 10 m3.

Can Airfree be used in rooms equipped with air conditioned?

Yes. We recommend to install Airfree in all rooms in central air conditioned homes and offices.

Can Airfree be installed in any room?

Airfree was designed for indoor use. Airfree is a electric device and as all electric home appliances requires common precautions to avoid electric hazards. Never put it in water or any liquid nor pull its electric cord.

Can Airfree be placed in a corridor to protect connecting rooms?

No. Airfree is to be placed in just one room, away from open windows and doors. The air cleaning efficiency in rooms connected to that corridor where Airfree is installed is almost none unless those rooms have Airfree's plugged in.

Can Airfree be installed in closed rooms?

Yes. Minimum recommended room volume is 320 cu. ft (10 m3) or a room roughly 7 ft. x 6 ft.

Are windows and doors to be kept closed?

No. Regular ventilation does not affect Airfree efficiency. It is recommended that Airfree is not

placed next to window or doors or in the middle of an air stream.

Can Airfree be plugged during the day in the living room and switched to the bedroom at night?

No. Airfree must be always on the same room according to the Manual.

Shall I unplug Airfree when going out of the house or office?

No. In order to be efficient Airfree must be always on in the same room.

For a quick period Airfree was disconnected. Is there a problem?

No if for just a couple of hours. Airfree will quickly recover lost time.

Does Airfree eliminate bacteria and germs?

Yes. Airfree's bactericide and germicide efficiency is recognized by international independent laboratories and universities. Please visit the Test Page where many tests are available upon a click.

How does Airfree eliminate dust mites?

Molds, fungi and spores in general are destroyed by Airfree. Dust mites need fungi to survive. 80% of Dust mite population is eliminated in 80% due lack of fungi.

How does Airfree eliminate fungus?

Fungi, spores (fungi "seeds") are incinerated inside the patented ceramic core of Airfree, so as bacteria, fungi and viruses.

Does Airfree destroy viruses?

Yes. The smallest microorganisms the better for Airfree as they are more easily carried by air flows into the patented ceramic core of Airfree. Airfree is the best ally in preventing respiratory diseases.

Does Airfree eliminate tobacco smell?

Our customers claim yes. We have no independent test yet but it is under way. Any organic odor is eliminated but as said before tobacco smell is still to be confirmed.

Does Airfree release any gas or chemical product?

No. Sterilization is done by heat in a way that no emissions are delivered to the room ambiance.

Does Airfree heat the room?

No. Airfree was projected to avoid any sensible interference in room temperature and humidity. The heat contribution of 2 Airfree's is the same as of one extra person in a room.

Is the room humidity affected by Airfree?

No.

Does Airfree require filter replacement?

No. Airfree has no filters and requires no maintenance other than cleaning the top lid with a dry or humid cloth. When cleaning Airfree please disconnect it from the electric source.

Is Airfree electric consumption high?

No. Airfree's consumption is less than a 50 Watt light bulb.

Can children be burned when touching Airfree?

No. Airfree's top lid achieves 61° C on its center which is uncomfortable but not enough to cause any burn. Children will remove their hands when touching the top lid.

How do I know Airfree is not working?

As long as the top lid is warm, Airfree is working properly. If cold please refer to the instructions manual.

How long is the warranty?

Airfree warranty is 12 months from the date of purchase. Please make sure you keep Warranty card duly stamped by store.

What is CADR?

CADR stands for Clean Air Delivery Rate, and it is a way to measure how fast an air cleaner removes airborne contaminants over a short period of time. CADR is a standard laboratory test for some manufacturers in the air-cleaner industry, using a specific size chamber with premeasured levels of airborne particulates.

Does CADR measure the effectiveness of the Airfree?

Not at all. CADR is not designed to test the Airfree technology. Airfree requires low air-speed flow when compared with other air purifiers/ air cleaners in the market that rely on a high-speed airflow.

Airfree new technology is 99.99% efficient and most important: silent. Airfree destroys (not trap or attract to other surface) any microorganism regardless of how small they might be.

99.99% of all organic particles (virus, bacteria, mold, spores, allergens, microorganisms) are fully destroyed when passing through the Airfree U.S. patented ceramic core.

Airfree extraordinary efficiency was proven by several independent U.S. and international Laboratories and Universities.

Airfree independent tests were made in libraries, offices, archives, hotels, hospitals, etc., in regular day to day use. In those tested rooms an average 80% reduction in mold and airborne microorganisms was achieved. Which other air purifier offers those independent tests?

Airfree proven technology is very, very efficient with reduced airflow.

Notes

- o Customer should always follow the instruction Manual.
- o Always plug it in on the floor, free from obstacles, away from air streams, open doors or windows so sterilized air does not go away.
- o Do not place it under or over furniture nor behind curtains or blinds.
- o Always keep it on.
- o Install 1 Airfree per each 2000 cu ft. room. (60 m3) (Roughly 250 sq. ft. with 8 ft. ceilings)
- o Always keep units plugged in the same room. Do not remove them from one room to another. In doing so the microorganism level will raise when the units are removed. Please check SGS Natec test in the Tests page.
- o No maintenance is required.

Airfree Enviro 60 Applications



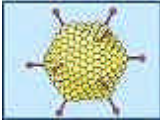
Airfree is probably the only air cleaner independently tested and proven efficient in eliminating microorganisms. No maintenance required, costly replacement parts, or harmful ozone emissions.

Airfree can dramatically improve indoor air quality and living conditions for you and your pets.

Airfree is used in these applications today

- o Bacteria and Viruses
- o Allergies
- o Babies and Childrens Rooms
- o Bird breeders
- o Boats
- o Indoor Ozone Reduction
- o Libraries
- o Archives
- o Kitchens
- o Retirement Homes
- o Offices
- o Hotels
- o Laboratories
- o Hospitals
- o Storage products
- o Food Industries
- o See how Airfree Destroys Mold and Protects Homes and Offices

Bacteria and Viruses



Airfree destroys 99.99% of bacteria and viruses. Any living microorganism regardless of how small, hazardous or chemical resistant is fully and safely destroyed.

Airborne bacteria and viruses are a common source of respiratory infection and a particular threat to infants, the elderly and those with compromised immune or cardiovascular systems, including people with allergies, asthma, AIDS and heart disease. Some serious infectious diseases are spread through airborne bacteria or viruses, including whooping cough, meningitis, pneumonia, SARS and anthrax.

How large are the bacteria and viruses that threaten human health? According to the Pennsylvania State University Department of Aerobiological Engineering airborne pathogens database, health-threatening bacteria and viruses range in size from .018 micron to as large as 1.325 microns. Airfree destroys any airborne microorganism regardless of its size. Furthermore, regular air filters concept is to trap not to destroy them. Its maximum filtration capacity is 0.03 microns.

When it comes to filtration, bacteria and viruses have not been proven to behave in exactly the same way as non-living particles. Some pathogens can move on their own, and some have slimy coatings that may affect a filter's ability to capture them. Furthermore, regular home air cleaners may not always be used under ideal conditions (24 hours per day, in a sealed room appropriate to the unit's tested air volume capacity). All of these variables may affect any system's ability to filter bacteria and viruses.

Airfree is always on protecting your family and pets.

- o Visit our site for a list of Airborne Pathogens and Independent Test Results.

Allergies, Asthma and other breathing allergies

We spend an average of 90% of our lives indoors.

Airborne allergens such as pollen, mold spores, cat or dog dander, ozone, house dust mite skeleton and excrements trigger allergic reactions to sensitized individuals.

Airfree is the only system available that in fact destroys such particles. No living microorganism or protein can resist temperatures above 400°F (250°C)

Controlling airborne allergens at work and at home makes a significant contribution towards reducing overall exposure to airborne allergens. This is why every successful allergen avoidance program should include an Airfree device as part of an overall allergen avoidance strategy.

Babies and Childrens Rooms

Studies performed by the University of Virginia show that children exposed to dust mites in their early ages have more chance to develop asthma. Airfree eliminates dust mites.



Why is Airfree a must in all children's bedrooms?

- o **Airfree** destroys allergic proteins (from pet dander) and pollens.
- o **Airfree** prevents allergic asthma, rintis, bronchitis, sinusitis caused by mold and airborne organic allergens.

- o **Airfree** avoids airborne cross contamination (viruses and bacteria).
- o **Airfree** provides healthier environment for newborns and children. The best way to prevent allergy symptoms is to avoid the allergens.



Why buy AIRFREE and not other air purifiers?

- o **Airfree** has independent tests assuring its efficiency. Please see full tests. Which other air purifier does that?
- o **Airfree** guarantees minimum 80% airborne microorganism reduction in your children's room.
- o **Airfree** is totally silent, it will not disturb your children's sleep.
- o **Airfree** does not need parts replacement. No maintenance. No post sale additional expenses in new filters.

Airfree uses U.S. Patented technology that uses heat to destroy microorganisms. No harmful emissions: Ozone, UV.

Bird breeders

Airfree is used by many breeders in Europe. The air quality improvement reduces breathing problems and drastically reduces feces odor



Boats



What do you think of having no more mold or mildew problems in your boat? Impossible? Not anymore! Now there is **Airfree** that definitely ends all those problems. **Airfree** safely eliminates fungi spores, mold, mildew, dust mite and bacteria that cause those very common problems to boat owners.

According to TMC and other national and international institutions the Airfree sterilizer has proven to reduce 85% of bacteria's and fungus from the environment.

- o **Airfree** prevents mold, mildew and organic smells.
- o **Airfree** allows people allergic to mold and dust mite to make use boats.
- o **Airfree** protect sofas, beds, curtains and clothing.
- o **Airfree** slows down the deterioration of instruments and equipments.
- o **Airfree** conserves food.
- o **Airfree** is has low consumption of 46W, maintenance free (doesn't need filters), easy installation and low cost. The best cost/benefit relation in the industry.

Indoor Ozone Reduction

Airfree is the only air sterilizer that reduces indoor ozone concentration up to 26%. Check below studies showing how high ozone levels can be harmful for people.

- o Southampton research on air pollution (ozone) and asthma.
- o Sick Building Syndrome and Ozone.
- o Effects of ambient ozone on lung function in children over a two-summer period.
- o Hayfever/Rhinitis and Ozone.
- o Visit our site to check Airfree independent Test for Ozone Reduction.

Libraries



"The spores of fungi that become mold or mildew are always present in the air and on objects. When the temperature and moisture in the environment are suitable for germination, the fungus spore bursts and growth begins, contaminating books, clothing, documents and works of art."

"Mold and mildew can have an adverse effect on people. Many fungi will seriously irritate and inflame lungs. Some fungi can cause skin and eye irritation and infections."

"Prolonged exposure to active mold in an enclosed area can damage the lungs, mucous membrane, cornea, respiratory tract,,

Airfree safely destroys fungi spores, mold, mildew, bacteria and airborne micro-organisms. **Airfree** was tested by independent Laboratories and Universities in various buildings in different countries.

- o **Airfree** destroys spores that cross contaminate books, documents and work of art.
- o **Airfree** provides healthier and safer working environments for employees and visitors avoiding mold related diseases.
- o **Airfree** drastically reduces airborne microbial contamination (80%).
- o Visit our site to see independent test at Biblioteca Nacional- Portuguese National Library.

National Archives

Mold and mildew are a continuous menace for books, documents, paintings and works of art as well as for the employees that work in those institutions. Airfree eliminates fungi and bacteria assuring preservation. Many international institutes use thousands of Airfree devices to preserve its works of art.

Airfree preserves books, magazines and old documents. Employee absences are reduced due to healthier working environment.

Visit our site to see an Airfree efficiency test.

Kitchens

Kitchens equipped with Airfree will prevent food from developing mildew . No more mildew in your cheese, bread, fruits and other food items. Odors are also reduced.

Retirement Homes

Older people are more subject to respiratory problems. Airfree not only offers a guaranteed reduction in airborne microorganisms but also reduces odors. Airborne contamination is heavily reduced.

The O3 level reduction assures a friendly environment for those with respiratory problems. A better ambiance for the old and reduction of their medication.

Office

Airfree improves indoor air quality resulting in higher productivity and lower staff absences. Airfree is the solution for Sick Building Syndrome. Please click below to see Airfree tests in offices.

Hotels

30% of Hotel guests have some type of allergy due to mold or dust mites. A higher percentage dislike mold and odors in Hotel rooms.

The lethal bacterial Legionella is a real threat for guests and a heavy potential liability to Hotel owners. Airfree is the only air treatment system independently tested and proved to eliminate dust mites, mold, bacteria and organic odors.

Benefits:

- o Reduction of 80% (average) of airborne microbial contamination.
- o Reduction of the use of sprays and air conditioned to minimize mold and other organic odors.
- o Stronger sales with the offer of Airfree protected rooms.
- o Increase of revenue per room (allergy free rooms)
- o Improvement of Hotel Image. Shows Hotel concern with the health of its customers.
- o Visit our site to view a test made in a 4 star Hotel in Europe.

Laboratories



Why is Airfree a must in your laboratory ?

- o **Airfree** avoids fumigation, allowing your laboratory to safely work all week.
- o **Airfree** prevents your work from being contaminated by airborne micro-organisms. You will save time and money.
- o **Airfree** prevents contamination originate by the bunsen burner aerosol (if some instrument is sterilized that way).
- o **Airfree** eliminates organic smells.



Safer environment for you and your staff

- o No chemicals have to be used to reduce airborne contamination in the laboratory.
- o **Airfree** destroys any airborne micro-organism including those fungus most resistant to chemicals.
- o The use of **Airfree** will improve the level of safety of your laboratory.
- o **Airfree** destroys any airborne micro-organism in the laboratory and at the exhaust system.

Visit our site to view Independent Test Results.

Hospitals and Clinics

Airfree eliminates airborne virus and microorganisms. Airfree is a must to avoid airborne hospital contamination. Its patented sterilizing system destroys any virus or fungus regardless of how dangerous or resistant to known chemicals.

Airfree is indispensable in intensive care units for its ozone (O₃) reduction and its efficiency in destroying microorganisms. With Airfree relative humidity can safely be increased.

Airfree is also a must for operating and small surgery rooms, reducing the need of high costly air filters. Visit our site to see independent tests.

Storage of products potentially affected by fungus

Airfree efficiency in avoiding mold and fungi is ideal for pharmaceutical, computer, optical and high tech products.

How Airfree Destroys Mold and Protects Homes & Offices

Mold and mold spores are always present in the air. Those airborne microscopic microorganisms will attach themselves to walls, furniture and other surfaces in any room. When the temperature and moisture level in the environment are suitable for germination, the fungus spores burst and grow into new mold or mildew colonies.



Airfree sterilization ceramic core destroys 99.99% of mold and spores. After 2-3 weeks of continuous usage, mold in the room is reduced in 80% and in some cases in 90%. (please see below tests)

80% reduction in room airborne spores will translate into a safe environment where virtually no mold will develop for as long as Airfree is protecting the room.

Mold Allergy

Along with pollens from trees, grasses, and weeds, molds are an important cause of seasonal allergic rhinitis. People allergic to molds may have symptoms from spring to late fall. The mold season often peaks from July to late summer. Unlike pollens, molds may persist after the first killing frost. Some can grow at subfreezing temperatures, but most become dormant. Snow cover lowers the outdoor mold count dramatically but does not kill molds. After the spring thaw, molds thrive on the vegetation that has been killed by the winter cold.

In the warmest areas of the United States, however, molds thrive all year and can cause year-round (perennial) allergic problems. In addition, molds growing indoors can cause perennial allergic rhinitis even in the coldest climates.

What is mold?

There are thousands of types of molds and yeast, the two groups of plants in the fungus family. Yeasts are single cells that divide to form clusters. Molds consist of many cells that grow as branching threads called hyphae. Although both groups can probably cause allergic reactions, only a small number of molds are widely recognized offenders.

The seeds or reproductive particles of fungi are called spores. They differ in size, shape, and color among species. Each spore that germinates can give rise to new mold growth, which in turn can produce millions of spores.

What is mold allergy?

When inhaled, microscopic fungal spores or, sometimes, fragments of fungi may cause allergic rhinitis. Because they are so small, mold spores may evade the protective mechanisms of the nose and upper respiratory tract to reach the lungs.

In a small number of people, symptoms of mold allergy may be brought on or worsened by eating certain foods, such as cheeses, processed with fungi. Occasionally, mushrooms, dried fruits, and foods containing yeast, soy sauce, or vinegar will produce allergic symptoms. There is no known relationship, however, between a respiratory allergy to the mold *Penicillium* and an allergy to the drug penicillin, made from the mold.

Where do molds grow?

Molds can be found wherever there is moisture, oxygen, and a source of the few other chemicals they need. In the fall they grow on rotting logs and fallen leaves, especially in moist, shady areas. In gardens, they can be found in compost piles and on certain grasses and weeds. Some molds attach to grains such as wheat, oats, barley, and corn, making farms, grain bins, and silos likely places to find mold.

Hot spots of mold growth in the home include damp basements and closets, bathrooms (especially shower stalls), places where fresh food is stored, refrigerator drip trays, house plants, air conditioners, humidifiers, garbage pails, mattresses, upholstered furniture, and old foam rubber pillows.

Bakeries, breweries, barns, dairies, and greenhouses are favorite places for molds to grow. Loggers, mill workers, carpenters, furniture repairers, and upholsterers often work in moldy environments.

Which molds are allergenic?

Like pollens, mold spores are important airborne allergens only if they are abundant, easily carried by air currents, and allergenic in their chemical makeup. Found almost everywhere, mold spores in some areas are so numerous they often outnumber the pollens in the air. Fortunately, however, only a few dozen different types are significant allergens.

In general, *Alternaria* and *Cladosporium* (*Hormodendrum*) are the molds most commonly found both indoors and outdoors throughout the United States. *Aspergillus*, *Penicillium*, *Helminthosporium*, *Epicoccum*, *Fusarium*, *Mucor*, *Rhizopus*, and *Aureobasidium* (*Pullularia*) are also common.

Are mold counts helpful?

Similar to pollen counts, mold counts may suggest the types and relative quantities of fungi present at a certain time and place. For several reasons, however, these counts probably cannot be used as a constant guide for daily activities. One reason is that the number and types of spores actually present in the mold count may have changed considerably in 24 hours because weather and spore dispersal are directly related. Many of the common allergenic molds are of the dry spore type--they release their spores during dry, windy weather. Other fungi need high humidity, fog, or dew to release their spores. Although rain washes many larger spores out of the air, it also causes some smaller spores to be shot into the air.

In addition to the effect of day-to-day weather changes on mold counts, spore populations may also differ between day and night. Day favors dispersal by dry spore types and night favors wet spore types.

Are there other mold-related disorders?

Fungi or microorganisms related to them may cause other health problems similar to allergic diseases. Some kinds of Aspergillus may cause several different illnesses, including both infections and allergy. These fungi may lodge in the airways or a distant part of the lung and grow until they form a compact sphere known as a "fungus ball." In people with lung damage or serious underlying illnesses, Aspergillus may grasp the opportunity to invade the lungs or the whole body.

In some individuals, exposure to these fungi also can lead to asthma or to a lung disease resembling severe inflammatory asthma called allergic bronchopulmonary aspergillosis. This latter condition, which occurs only in a minority of people with asthma, is characterized by wheezing, low-grade fever, and coughing up of brown-flecked masses or mucus plugs. Skin testing, blood tests, X-rays, and examination of the sputum for fungi can help establish the diagnosis. Corticosteroid drugs are usually effective in treating this reaction; immunotherapy (allergy shots) is not helpful.

Source: National Institute of Allergy and Infectious Diseases (USA)

Airfree Enviro 60 Independent Testing



- o Airfree is tested in regular working conditions.
- o There are No special conditions to boost results.
- o Please review the field tests that confirm the extraordinary efficiency of Airfree.
- o As you will see below Airfree is the only that Air Sterilizer that backs up it's claims with independent testing.

If you still have any doubts, please contact the manufacturer at: info@airfree.com.

Laboratories	Test
SGS Natec Institute (Germany)	<u>Fungi (Mold) and Bacteria</u>
TMC - Technical Micronics Control (USA)	<u>Fungi (Mold) and Bacteria</u>
INETI - Test made in the Portuguese National Archives	<u>Fungi (Mold) and Bacteria</u>
INETI - Test made in the Portuguese National Library	<u>Fungi (Mold) and Bacteria</u>
INETI - Test at a Portuguese Bank	<u>Fungi (Mold) and Bacteria</u>
INETI - Test made at RTP (Portuguese National TV Broadcaster) Archive and Offices	<u>Fungi (Mold) and Bacteria</u>
INETI - Test at 4 Star Hotel.	<u>Fungi (Mold) and Bacteria</u>
INETI - Test made at a Hospital	<u>Fungi (Mold) and Bacteria</u>
INETI - Test in 8 person office within a Laboratory	<u>Fungi (Mold) and Bacteria</u>
CAMPANA - Test at Campana Laboratory	<u>Fungi (Mold) and Bacteria</u>
SP - Swedish National Testing and Research Institute	<u>Airflow</u>
SP - Swedish National Testing and Research Institute	<u>Particles</u>
SP - Swedish National Testing and Research Institute	<u>Emissions</u>
SP - Swedish National Testing and Research Institute	<u>Volatile Organic Compounds (VOC)</u>
SP - Swedish National Testing and Research Institute	<u>Ozone Reduction</u>

Visit our website for copies of these test results.

Airfree Enviro 60 is Ozone Free

According to the FDA (U.S. Food & Drug Administration) Ozone generators and ionizers currently on the market generate ozone by design or as a byproduct. Since exposure to ozone above certain concentration can be injurious to health, please read carefully what FDA has to say.

Please visit their web site:

www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?FR=801.415.

Some texts:

"Ozone is a toxic gas with no known useful medical application in specific, adjunctive, or preventive therapy. In order for ozone to be effective as a germicide, it must be present in a concentration far greater than that which can be safely tolerated by man and animals."

"Although undesirable physiological effects on the central nervous system, heart, and vision have been reported, the predominant physiological effect of ozone is primary irritation of the mucous membranes. Inhalation of ozone can cause sufficient irritation to the lungs to result in pulmonary edema. The onset of pulmonary edema is usually delayed for some hours after exposure; thus, symptomatic response is not a reliable warning of exposure to toxic concentrations of ozone. Since olfactory fatigue develops readily, the odor of ozone is not a reliable index of atmospheric ozone concentration."

Can your family be safe at home with an Ozone generator?

Ask your veterinarian about the risks of Ozone and why it can harm your birds sensitive respiratory system.

Airfree is the only air purifier offering Ozone reduction.

Airfree reduces 26% of Ozone instead. Visit our site for Test Results.

Ozone destroys lung tissue, triggers asthma and other respiratory diseases. Customers should check EPA and FDA for additional articles and warnings about air purifiers that generate ozone.

Customers must make sure that the air purifier they select does not generate ozone (directly or as a byproduct). Independent ozone tests should be requested from all manufacturers.