



# Airfree Air Sterilizers

The World's Safest  
and Most Tested Air  
Purifier

## Airfree Enviro 60

- *The worlds safest and most tested air purifier*



## Why is Airfree the safest and most tested air purifier?

### Why is Airfree the Safest?

*Safe I* - no emissions like ozone (considered as an asthma trigger by American EPA) or UV. Airfree technology does not generate or employ any dangerous emission: not an ionizer, UV light, ozone generator.

*Safe II* - no replacement filters required. Filters frequently employ Fiberglas, triclosan paper, and material that can be harmful to the environment when wasted or handled.

*Safe III* - there is no need to change dirty and contaminated filters, therefore no need to touch captured harmful pollutants and allergens. Dead mold spores are still harmful because their mycotoxins and bio toxins are still active. Can you imagine one asthmatic needing to change his contaminated Air Purifier filter? Airfree destroys mold mycotoxins and bio toxins.

### Why is Airfree the Most Tested?

Unlikely other manufacturers Airfree offers full copy of independent tests assuring Airfree's outstanding efficiency in drastically reducing airborne bacteria, moulds and microorganisms, as well as Ozone.

Please take a look at the test section: <http://www.airfree.com/testes.htm>

## Why Airfree ?

- 1. Airfree is very efficient!** Airfree has been tested in “real life” working environments by world recognized institutions and laboratories in six different countries (USA, Spain, Portugal, Germany, Sweden, and Brazil). Airfree destroys any microorganism (mold, mildew, bacteria, pollen, virus, dust mite feces and skeletons) that pass through its patented sterilizing core, regardless of how small or hazardous they might be.
- 2. Airfree is safe!** Electrical safety assured by UL (Underwriters Laboratories), CUL (Canadian Underwriters Laboratories), CE (European Community), ISO 9002, and other international certifications. Airfree technology is ozone and ions free. In fact, Airfree has been proven to reduce ozone in the air that passes through it by 26%.
- 3. Airfree is totally silent!** Completely noiseless, no sound at all. Place your hand above the machine. If you feel warmth, the machine is working!
- 4. Airfree saves money!** It will be seen in following pages that Airfree utilizes very little energy and requires no replacement parts that may cost hundreds of dollars a year. Its consumption is lower than a 50 watt light bulb.

## Why Airfree ? (2)

5. **Airfree requires no maintenance!** Easy plugging into nearest electric outlet. There is no need for maintenance or special cleaning. It is only requested the wiping off of Airfree's top lid during house or office regular dusting.
6. **Airfree requires no filter or UV lamp replacement!** Replacement parts on some air purifiers may cost over \$200 per year. Why waste time and money searching for replacement parts when maintenance free and most efficient Airfree can be used instead? No extra work to replace parts.
7. **Airfree has no side effects!** Totally natural process. Airfree does not employ, use or generate chemical or toxic products such as ozone. Airfree does not interfere with the room temperature or humidity level. 2 Airfree units in the same room will contribute as much heat as one adult.
8. **Airfree is durable!** Airfree has no moving parts therefore, wear and tear is reduced to a minimum. Airfree when properly used will last for many years. Airfree comes with a 3 year warranty.
9. **Airfree utilizes exclusive patented clean technology!** Airfree uses just heat to destroy airborne microorganisms. The exclusive patented technology also reduces Ozone, a very toxic gas. There are no fiberglass filters, triclosan paper, or any kind of material that can be harmful to the environment when wasted, or disposed of.

## "Boiling" the Air



Easy to understand patented technology.

Just like our grandmothers used to do... Airfree "boils" the air destroying all microorganisms.

Easy, safe and totally natural process

## How does Airfree purify the air?

### Airfree patented technology

Airfree is the only technology that safely destroys airborne allergens, mold spores, mildew, dust mite allergens, viruses, bacteria, and pet dander. Airfree uses just heat to destroy microorganisms with no noticeable heat contribution to the ambient.

Air flow into Airfree is quietly achieved through air convection generated by Airfree patented ceramic core where air is sterilized at high temperatures.

Contaminated air is continuously dragged into Airfree bottom inlets, sterilized, cooled and released back to the room through the top outlets.

Airfree exclusive technology has been proven effective by some of the world's most prestigious independent laboratories in six different countries in real working conditions.

Airfree does not use or generate toxic ozone, it effectively reduces it instead. Airfree is the only air purifier in the market that destroys ozone.



## How much does it cost to run Airfree? Any hidden costs?

Electricity cost, and replacement parts such as filters are “hidden costs” that may transform a bargain into an expensive item.

Formula used to calculate yearly power consumption

Annual electricity cost = (# of watts/1000) X cost of KWH X 8760 hours (1year)

For comparison purposes, we will consider the cost of 1KW as \$.10

Airfree consumption is just 46 watts, therefore using above formula

Airfree annual electricity cost =  $46/1000 \times 0.10 \times 8760 = \$40.30$

HEPA filters for instance require the use of an electric motor to push air through the filters. Some of those filters can require as much as 250 watts to operate. Therefore

Hepa filter annual electricity cost =  $250/1000 \times \$0.10 \times 8760 = \$219$  per year



## 5 Year Cost Projection for Airfree x Hepa filters

	Cost	Filter	Energy	UV Light	Total
<b>Airfree Enviro 60 – 45W</b>	<b>\$250,00</b>	<b>\$0,00</b>	<b>\$201,50</b>	<b>\$0,00</b>	<b>\$451,50</b>
Hepa Filters with UV 250 w	\$400,00	\$750,00	\$1.095.	\$100,00	\$2.395,00

The maintenance free Airfree Technology saves money. Replacement filters may cost \$150.00 or more a year. Replacement UV light may cost \$20.00 or more a year. Additional savings in electric consumption are also verified when compared to Hepa filters.

## What about noise?

Airfree is totally silent. Airfree operates by air convection avoiding the use of noisy fans.

Some air purifiers must operate fans to reach their highest purification level. Customers must make sure they can work or sleep with such noise.



## Airfree and the Environment

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

Airfree uses just harmless heat. No dangerous by-products

Airfree destroy harmful Ozone, whereas other air purifiers generate it directly or indirectly.

Some air purifiers use glass filters fibers, triclosan-coated paper and other materials that can be harmful to the environment when wasted.



## Size and Portability

Airfree is quite small, no more than 20cm diameter by 25 cm height, it varies according to the model. Easy to fit in any room, does not interfere with the house decoration.

Dimensions: 8"w x 10"h (20X25 cm)



## Airfree destroys toxic ozone

According the U.S. EPA and FDA, ozone is a toxic gas that can destroy lung tissue, trigger asthma attacks, and cause many other respiratory diseases.

Some air purifier manufacturers claim that their machines produce ozone at levels below the .05 ppm limit established by the EPA. If such a machine produces just .02 ppm, but continuously circulates same air in the room, ozone can concentrate to levels well beyond what is considered safe, in a short period of time. That is because Ozone will disintegrate itself faster than the machine new generated ozone. Please note that the EPA has designated the .05ppm limit for just an 8 hour exposure period, and that air purifiers are designed for 24 hour usage. The EPA also states that there is no guarantee that those machines will maintain their ozone emissions to their claimed levels.



## Airfree destroys

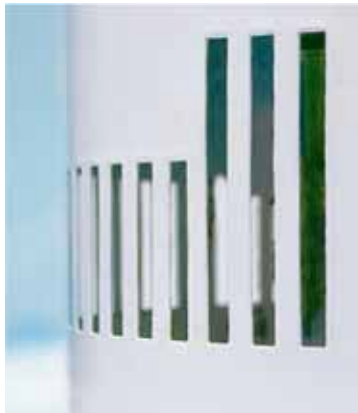
- Molds
- Viruses
- Ozone
- Pet Dander
- Bacteria
- Pollens
- Mold spores
- Dust Mite Feces
- Organic Odors

## Airfree Enviro 60



### Air Outlet

99.99% of purified air is released back to the environment. .



### Air inlet

Contaminated air is "sucked in" by air convection through the bottom inlets and moved to the patented ceramic core.



### Patented sterilizing core

Inside the tiny ducts of Airfree sterilizing core, 99.99% of all microorganisms are incinerated at temperatures exceeding 200C.

Toxic Ozone is also destroyed inside Airfree.

Molds, spores, viruses, bacteria as well as allergens such as pollen, dust mite feces and skeletons can not resist those high temperatures.

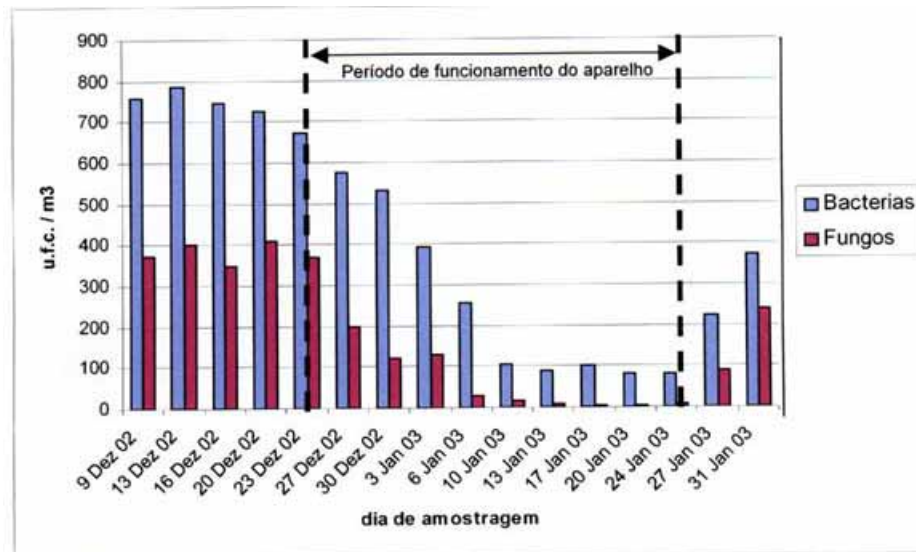


# REPORT

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## Measurements of ozone in the outlet of an AirFree air cleaner

### Item tested and test objective

The test object was an AirFree air steriliser, labelled 230 V, 50 Hz, 400 mA, 46 W and serial no 53002309. According to the client the AirFree unit is manufactured under license of U.S. Patent 5,874,050. The unit arrived to SP on February 27, 2001. The objective was to check for any change of ozone concentration in the air when passing through the item. The test was performed on May 29, 2001. The test results apply only for the item tested.

### Test procedure

The test was carried out in a laboratory room at SP. The air cleaner was started two hours previous the ozone test. The ozone instrument used for measurements was a Dasibi UV-instrument, model 1003-PC, and newly calibrated. The background ozone level in the room was measured at the base of the Airfree unit and compared with concentrations at the air outlet on top of the unit. Ten readings were taken at both sampling points during 8 minutes respectively and the average for each point was calculated.

### Results

The average ozone reading was 19.5 ppb at the inlet and 14.4 ppb at the outlet.

### Summary

The ozone concentration was significantly lower (at 99 % certainty level) at the air outlet of the AirFree unit compared to the inlet. The reduction could, at the given test environment, be calculated to 26 %.

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## **Few questions one customer should ask before purchasing an Air Purifier or Air Cleaner.**

1. Does the manufacturer have Independent Tests to prove its claims?
2. Does the Air Purifier generate toxic Ozone? Is it safe?
3. How does the machine purify the air?
4. How much will it cost to run the Machine for 1 year? And 5 years? What about "Hidden Costs"?
5. Is Air Purifier noisy?
6. Is selected technology clean and environmental friendly?
7. Is it really portable?

Features	Advantages	Benefits
Airfree patented sterilizing chamber	Totally Silent	Can run the all day noiseless.
	Uses less electricity (46W)	Saves energy cost. Other purifiers use as much as 250W
	Maintenance Free	No costly replacement filters UV lamps needed No need to waste your time washing or cleaning anything Saves more than \$150 a year in filter or UV lamp costs
	DESTROYS TOXIC OZONE. The only air purifier that reduces Ozone by 26%	According to the FDA (U.S. Food & Drug Administration) Ozone generators and ionizers currently in the market generate ozone by design or as a byproduct. 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 what can be safely tolerated by men and animals.
	Ions and chemical free	No need to exposure your family to chemicals, ions or ozone.
	Tested by Several worldwide Institutions and Labs.	Finally a product that has been tested under normal working conditions in different places with or without central air conditioning. No simulations, no projections.

Features	Advantages	Benefits
<p>Airfree Patented sterilizing core</p>	<p>While other devices trap some particles, Airfree destroys airborne mold, bacteria, dust mites allergens, viruses, pollens and any microorganism</p>	<p>On average, Americans spend more than 90 percent of their time indoors.            Biological pollutants such as mold, bacteria, pollen, dust mites, viruses, and animal dander which promote poor indoor air quality and may be a major cause of absenteeism at work and school. In office buildings, heating, cooling and ventilating systems are frequent sources of biological contaminants that when inhaled, lead to breathing problems and health problems.</p>
	<p>99,99% destruction rate.            Airfree destroys particles smaller than 0,03 microns, such as viruses and some bacteria that are not trapped by true Hepa filters</p>	<p>Several diseases such as flues, colds, rubeolla, pneumonia, mumps, scarlet fever, fifth disease are caused by airborne pathogens.            Independent tests show an average 85-95% microorganisms reduction in places where Airfree is installed.            Airfree will help to prevent such diseases.</p>

Small and Portable	No need to remodel your home or office to install it.	Saves money and time.
	Easy to install	Just plug it in
No fan or moving parts	Less energy consumption (46w)	Saves energy cost, while others might consume 250w
	Totally Silent	Can be installed in any bedroom and run it 24/7
	Will last longer	No moving parts
Basically made of metal, plastics and ceramic.	Clean technology, environmental friendly	<p>Airfree offers exceptional performance and it is harmless to the environment.</p> <p>No glass filters fibers, triclosan-coated paper or any kind of material that can be harmful to the environment when wasted.</p> <p>Airfree uses just heat with no additional V.O.C.'s generated. No dangerous Ozone generated. No filters or UV Lights to replace.</p>

# Thank You

