



Air SourceTM



The United States Environmental Protection Agency is Alerting the Public to the Problem:

“Indoor air pollution is now our nation’s
#1 environmental health concern.”

“Indoor air within homes and other buildings can be
more seriously polluted than the air in
the largest and most industrialized cities.”

“People spending approximately
90% of their time indoors.”



www.epa.gov/iaq/pubs





Poor Indoor Air Quality is an Ongoing Threat to Our Health:

“Some sources, such as building materials, furnishings, and household products like air fresheners, **release pollutants more or less continuously.**”

“Health effects could take years to develop and may include:
Respiratory diseases, Heart disease, Cancer”

“It is prudent to try to improve the indoor air quality in your home even if symptoms are not noticeable.”



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Do you know parents who are concerned about the air their children breathe?

“Indoor air quality has a great deal to do with children’s health, particularly when you are talking about asthma.”

“**Childhood asthma** is an epidemic in this country and many parents feel helpless to protect their children from attacks.”

“Poor indoor air quality can reduce a person’s ability to perform specific **mental tasks** requiring concentration, calculation, or memory.”



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Indoor Air Quality is in the News

Sick Building Syndrome

Second-Hand Smoke

Legionnaire's Disease

Pollen, Pet Dander

Airborne Bacteria

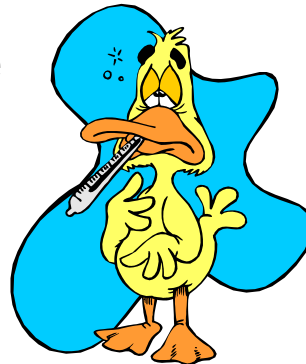
Toxic Household Cleaners

Toxic Mold Infestation

School Closings
Homes Made Unlivable
Childhood Asthma

Chemical Off-Gassing

Pressed-Wood Furniture
Formaldehyde
Plastics, Carpets



Summary of the Three Types of Air Pollution

■ Airborne Microbials

- Molds and mold spores, fungi
- Bacteria and Viruses



■ Gas Phase

- Volatile Organic Compounds (VOCs)
 - Formaldehyde, glues, dyes, dry cleaning fluid, paints, solvents, etc.
- Other environmental gases
- Odors



■ Particulates

- Airborne environmental dust, 1.0 micro and smaller
- Bacteria and viruses that attach themselves to microscopic particles
- Dead human skin
- Pet dander
- Dust mite feces and other insect waste
- Smoke (cigarette, cooking, fireplaces)
- Pollen
- Byproducts of business activity (nail-filing dust, sawdust)



**What are your
air purification
options?**



Passive Filters (such as HEPA filters)

- Pollutants can reach your nose before they reach the filter (a very important disadvantage).
- Filters can be “breeding grounds” for bacteria, mold, and fungi.
- Frequent and costly filter changes add up to a huge expense.
- There is no reduction of odors, gases, pesticides, and many bacteria.
- Units with filters are noisier than the other technologies.
- The effectiveness of each filter decreases as particles collect in them.



Electrostatic Precipitators

- Ionic Breeze Quadra from Sharper Image is an example.
- Consumer Reports (Feb. 2002 & Oct. 2003) gave the Ionic Breeze Quadra its lowest rating (“poor”) for dust and smoke and concluded the unit is “ineffective.”
- No reduction of microbes, odors, or harmful gasses.
- Collection plates must be cleaned every 2 to 4 weeks.
- No reduction of particulates smaller than 1.0 micron.
 - This means that 98% of all particulates remain in your air!
 - These “sub-micron” particles can become lodged deep within your lungs.
- Pollutants can reach your nose before they reach the filter.



Ozone Generators

- The most common method of ozone generation is known as corona discharge.
- Corona discharge creates nitrogen oxides that can irritate the eyes, sinuses, and lungs.
- Can generate electromagnetic radiation that can disturb radio and TV reception.
- Ozone generators do not reduce dust.
- Ozone often exceeds safe levels.

AirSource 3000

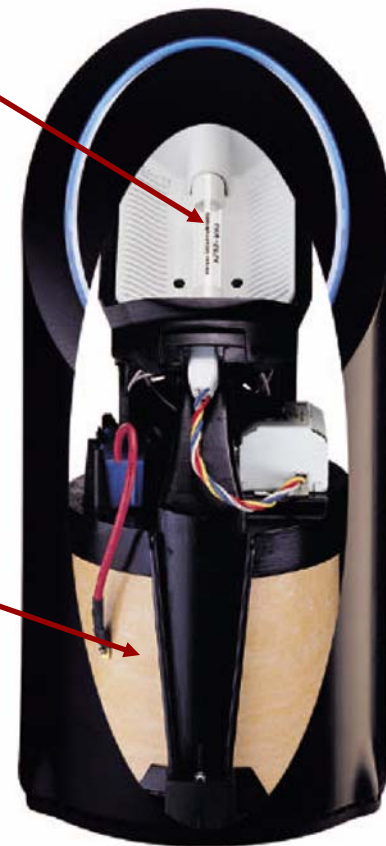
The Only Air Purification System That Drastically Reduces
All 3 Types of Airborne Contaminants

AirSource's Photohydroionization Process:

Advanced Oxidizers are created when moisture in the air react with the high-intensity UV light and the tri-metal target. The oxidizing particles produced travel all over your building in search of contaminants. By destroying contaminants at their source, fewer of them can reach your lungs.

AirSource's Electron Generation System:

Harmful airborne particles "agglomerate" together and become neutrally charged causing them to drop out of your breathing space. Once they are out of your breathing space, they resist redispersal into the air.





AirSource 3000's Proven Benefits

Beneficial superoxide ions and hydroperoxide radicals drastically reduce microbes and harmful chemicals.

- In just 4 hours – reduced VOCs by up to 98%.
- In 24 hours – reduced bacteria levels 71% - 80%.
- In 4 days – reduced dangerous mold & yeast 77.0% - 97.7%.
- In 3 days – sub-micron airborne particulates were reduced 64% - 99%.

1,008 cubic foot testing room at Performance Analytical, Inc., a NELAP accredited lab that is certified for organic analyses by the American Industrial Hygiene Association						
Particle Size	5.0 microns	3.0 microns	1.0 micron	0.7 microns	0.5 microns	0.3 microns
Reduction	100%	99.99%	99.80%	99%	95%	64%

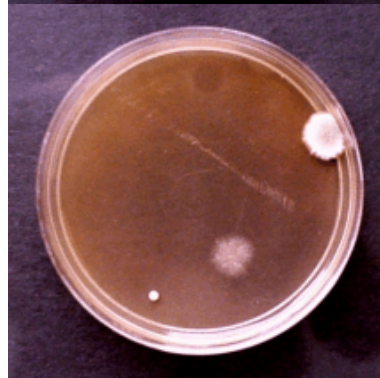
Why pay for clean air!?

Remember when Americans once said the same about *drinking water*??

This is your home
or office:



This is your home
or office with
AirSource 3000:



Actual
lab tests
showing
up to 90%
reduction
of airborne
bacteria
and mold
after only
three
days.

Which would you rather be in?

AirSource 3000 Summary

Purifies up to 3000 sq. feet

Easy installation
(just plug it in)

Portable - only 8 pounds

No filters to clean

Low energy consumption
(same as a 20 watt bulb)



Looks like a work of art

ISO 9001 Certified
(very low defect rate)

3 year warranty
(parts and labor)

**Replace UV lamp once
each year**
(cost \$69.00 on auto-ship)

Reduces microbial contaminants, odors, and chemicals

**Reduces contaminants at the source
before they go into your lungs!**