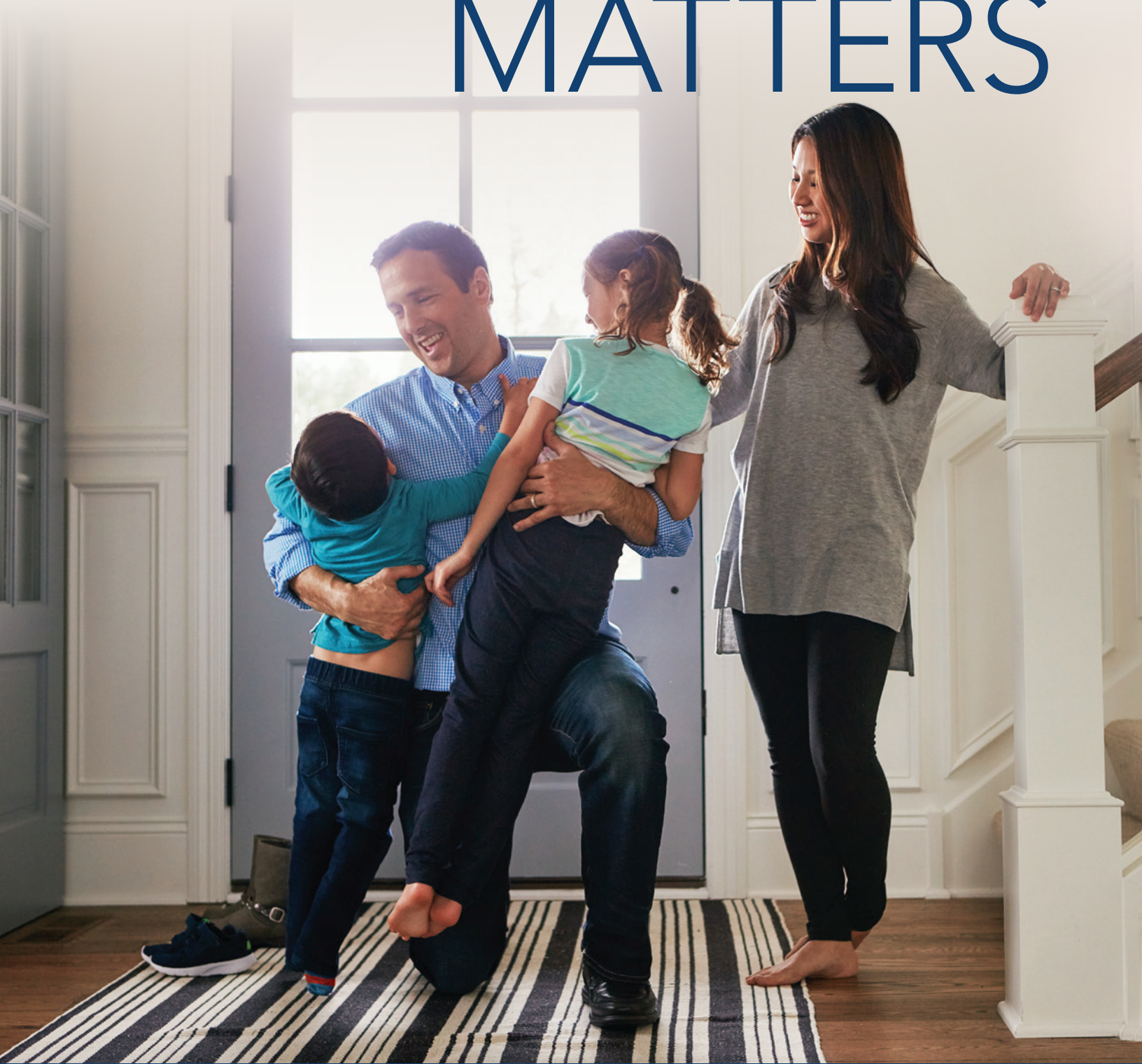


When it comes to your family,

CLEAN AIR MATTERS



 CosaClean™

ADVANCED TECHNOLOGY
FOR INDOOR AIR QUALITY



At last, really clean air for the most important people in your life.

Specifically designed for the home

CosaClean™ is a compact, modular version of the *CosaTron®* Contamination Control System—successfully used in commercial applications for over 60 years. *CosaClean™* is small, light-weight, low maintenance and is designed for easy installation into your existing household air handling system. When used in conjunction with effective filtration, *CosaClean™* provides cleaner air by reducing indoor pollutants, dust and odors.



What is *CosaClean™*?

CosaClean™ is a contamination control system that provides cleaned recirculated air to the entire house. *CosaClean™* uses patented “Contaminant Excitation Field” technology to increase the collision rate of the contaminants, causing them to adhere to each other. Through this process, the contaminants become large enough to be removed by your existing filters—thereby increasing filter efficiency.

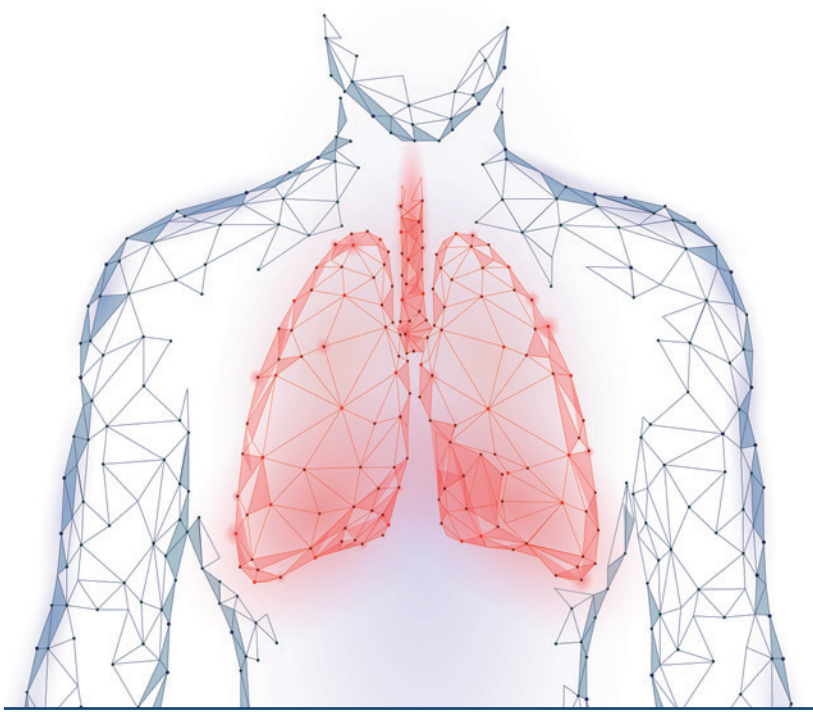
Why *CosaClean™*?

- Removes household odors
- Removes mold & mildew spores
- Removes Volatile Organic Compounds (VOCs)
- No special filters required
- Eliminates airborne pathogens

- Removes allergens from entire house
- UL certified – ozone free
- No chemicals or bulbs to replace
- Virtually maintenance free
- Only 25 watts of energy
- Noiseless

How does *CosaClean™* save you money?

- Helps provide relief to allergy sufferers
- Does not require expensive HEPA or carbon filters
- Protects your investment in your home because things stay cleaner and last longer
- Installed in your air handling system, *CosaClean™* quietly treats your entire home



Air inside is often
2X-5X
MORE POLLUTED
than outdoor air

If you are one of the millions of Americans who suffer from allergies or asthma, air pollution or other environmental factors such as cigarette smoke, cleaning supplies, dust, perfumes, pet dander, pollen or

room air fresheners can trigger your symptoms. Most people don't realize indoor air pollution levels can be two to five times higher than outdoor air. By hiding indoors it can actually increase the chance of an attack!

Your home's HVAC system plays a significant role in alleviating asthma and allergy systems. Using the right air filter with a MERV rating of 8 or higher and a *CosaClean™* system can reduce mold, mildew, odors, CO₂, etc. from within the entire house and improve your home's indoor air quality.

"The *CosaClean™* system so dramatically reduced allergies in our home that now, everyone gets a good night's sleep."

— FRANK W., SACRAMENTO, CA

HOW MANY OF THESE CONTAMINANTS ARE IN YOUR HOME?

LIVING, FAMILY & DINING ROOMS:

- Pollen
- Paint
- Cigarette smoke
- Cleaning supplies
- Room air-fresheners
- Pet dander
- Fireplaces

KITCHEN & LAUNDRY ROOM:

- Cooking odors
- Grease
- Oven cleaner
- Bleach
- Ammonia
- Cat litter box
- Dry-cleaning chemicals

GARAGE*:

- Fumes (paint, stain, paint thinner and solvents)
- Gasoline
- Lawn chemicals (fertilizers & weed killers)
- Bug killers
- Gas-powered lawn equipment (lawn mower, weed trimmer and leaf blower)

BATHROOM:

- Tub & toilet cleaners
- Hair spray
- Hair color
- Powders
- Nail polish & remover
- Perfumes

*Migration into occupied space

How does CosaClean™ work?

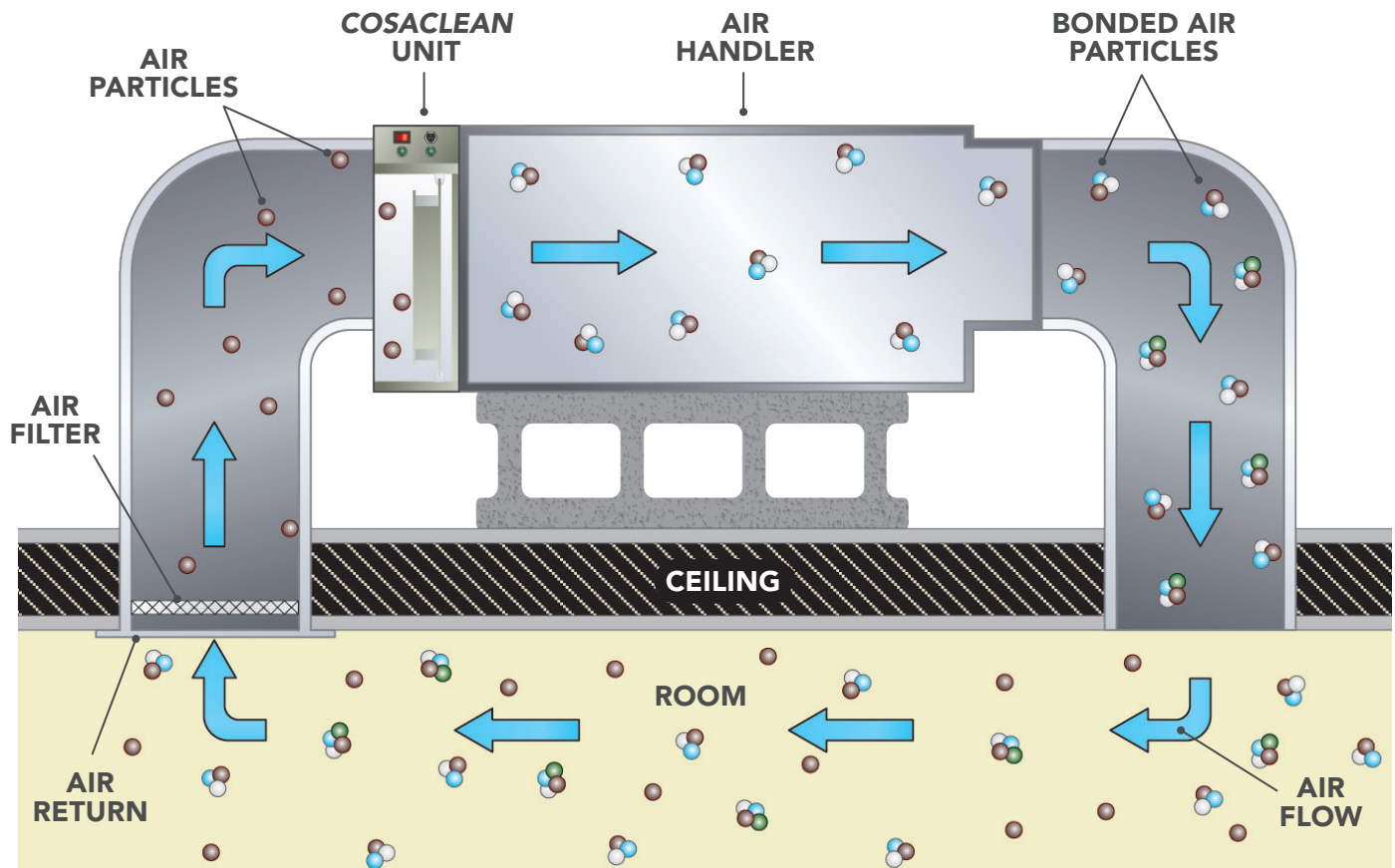
STEP 1: Contaminants such as dust, smoke, pollen and odors enter the CosaClean™ unit where they pass through a high voltage grid. This high voltage grid accelerates the linear movement of the contaminants from 1 foot per second to over 150 feet per second!

STEP 2: The accelerated contaminants next pass through the high frequency grid where they begin to collide with each other in a random pattern that accelerates the natural process of conglomeration, resulting in the contaminants adhering to each other and increasing in size.

STEP 3: These particles are then passed into the living space

where they continue to grow larger by picking up smaller sized contaminant particles within the space.

STEP 4: Contaminants that are 3 microns and larger are carried by the air stream back to the air filter and removed resulting in cleaner air. Then the entire process begins again.



QUESTIONS?

Does the CosaClean™ air purification system produce worrisome ozone?

The CosaClean™ air purification system is the only active home air purification device certified by the Underwriters Laboratories (UL) to produce ZERO ozone.*

I already use high-end air filters. Why do I need a CosaClean™ air purification system?

With 98% of all particles being less than 3 microns, most of the particles are too small and never travel back to the filter to be removed.

I have a portable air cleaner. How is a CosaClean™ system different?

Portable air cleaning devices only treat the air in the area where they are being used. The CosaClean™ system cleans the entire home.

YOUR HOME IS YOUR REFUGE

This is where you and your family spend a majority of your time. If there are contaminants in your indoor air system that go unchecked, they may start to have a noticeable effect on your family's safety and overall wellness.

Ionizers

Ionizers use an electromagnetic charge to split the oxygen molecule in half (O_2 to O_1). The O_1 molecule then joins with existing oxygen molecules (O_2) in the space to form ozone (O_3). This process creates unhealthy ozone, alkali compounds, carbon dioxide and adds water vapor to your home's environment. The particles are not removed from the space, instead they stick to the surfaces of your home resulting in more cleaning and dusting being required.

Electrostatic Precipitators

Electrostatic precipitators use metal plates inside the unit that are positively and negatively charged to treat the air. This process converts oxygen (O_2) to ozone (O_3) thereby increasing the amount of ozone in the space. Electrostatic precipitators also require significant maintenance and often function at a lower effective rate due to particle buildup on the metal plates.

Ozone Generators

Ozone Generators use an electromagnetic charge to split the oxygen molecule in half (O_2 to O_1). The O_1 molecule then joins with existing oxygen molecules (O_2) in the space to form ozone (O_3). This process creates unhealthy hydroxyl radicals, ozone and carbon dioxide. The particles are not removed from the space, instead they stick to the surfaces of your home resulting in more cleaning and dusting being required.

Photocatalytic Oxidation (PCO)

PCO based air cleaners use a ultraviolet (UV) lamp along with a titanium dioxide catalyst, which reacts with the UV light in an effort to clean the air. This process creates unhealthy ozone, carbon dioxide and hydroxyl radicals.

Ultraviolet Systems (UV)

These systems use a UV light in an effort to clean the air. UV light is extremely effective at killing contaminants on hard surfaces, but has no measurable benefits on cleaning air. A UV system needs prolonged exposure to anything it cleans, with air passing through a standard HVAC system, the prolonged exposure required to clean is not present.

HEPA Air Filters

High Efficiency Particulate Arrestance (HEPA) filters do a great job at catching particles 0.3 micron and larger in size. However, HVAC systems are designed to only move particles greater than 3 microns. As a result, the smaller harmful contaminants that affect your health never make it to the filter.

Carbon Air Filters

Carbon air filters use activated carbon to remove contaminants in the air utilizing a chemical adsorption process and are rated for areas less than 105°F. However, many HVAC systems are not in air-conditioned spaces and the operating temperature can often exceed 105°F, impacting the effectiveness of the filter.

Pleated Air Filters

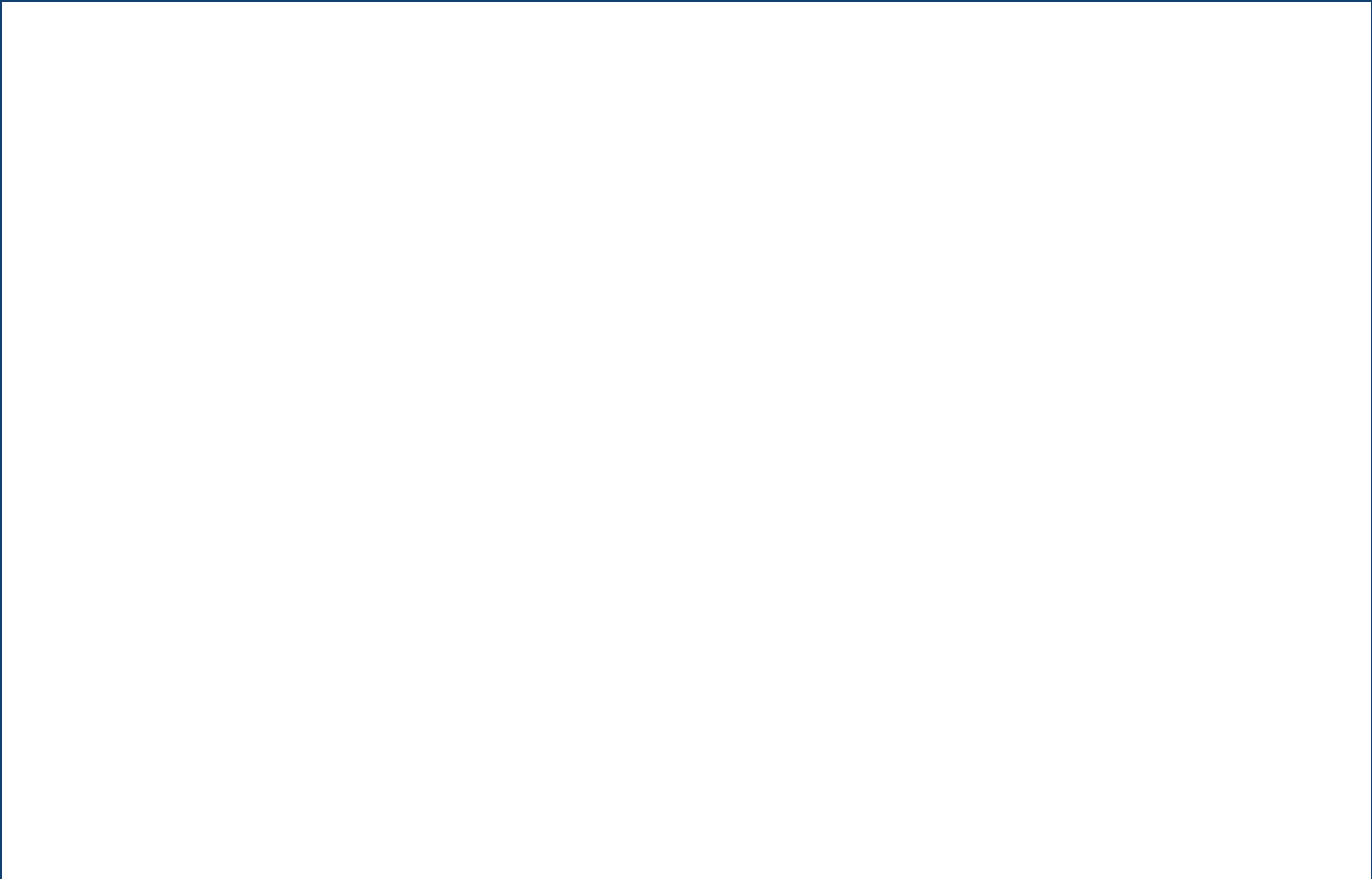
Pleated air filters, without filtration enhancement, even with a MERV rating of 8 or above, cannot clean the air of particles less than 3 microns as they cannot actually reach the filter via air flow.


Fiberglass Air Filters

These filters are inexpensive and disposable and will catch 80% of particles 50 microns and larger. They filter out large particles to protect the HVAC equipment and provide maximum airflow, but do not filter any of the small harmful contaminants that affect your health.

CosaClean™ technology virtually eliminates allergens, mold, smoke and odors from the air throughout your entire house without ionizing the air, creating dangerous ozone or carbon dioxide.





 **CosaTron**[®] is a pioneer in developing and manufacturing air purification and contamination reduction systems.

For over 60 years, *CosaTron*[®] has been installed in arenas, airports, churches, hospitals, casinos, bingo halls, restaurants, clean rooms, educational facilities, industry, banks and office buildings throughout the world.

Now, *CosaTron*[®] offers this advanced air cleaning technology in a smaller package specifically designed for the home. Introducing *CosaClean*[™], industrial strength air purification for your home.

At last, really clean air for the most important people in your life.



Neither *CosaTron*[®] or *CosaClean*[™] make any claims concerning the units ability to cure or prevent sickness or disease. This document is subject to updates. For the most current *CosaClean*[™] literature please visit **CosaClean.com**.



Learn more at **CosaClean.com**

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