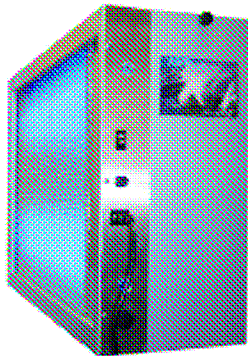


# AirWash PCO

By SafeGuard

The Ultimate Air Purification System



There is not a home in America that does not have some sort of degree of contamination. It's just a matter of how much and what we are willing to do about it. Accordingly the average home has air born dust, pollen, mold spores and human or pet dander constantly moving in and around us.

Furniture, carpets, drapes, clothing and more all outgas the chemical compounds that hold them together. These include glues, resins, paints most of which contain formaldehyde and other highly toxic chemicals to numerous to mention. Don't forget household cleaning agents like ammonia, alcohol, bleach and pesticides. We haven't even touched germs, viruses and bacteria.

All of this stuff infiltrates the home then is carried to the heating and cooling system where it is then blown right back into the air stream mixing and growing with every revolution. In most cases your nose and lungs are probably the only filtration system (outside of a possible dime store filter) currently in your home.

The EPA tells us that the air inside your home is up to 100 times more polluted than the outdoor environment. And the bacteria growing in the dark dampness of heating and cooling systems is all but uncontrollable, until now....

## Three Powerful Technologies One Air Purification System

**STAGE ONE:** Electrostatic MERV-11 Filter Noticeably Removes Allergens Electrostatically: Some particles are so small that they can only be seen with a microscope. Pollen, mold, fungal spores, dust mites, cockroach dust, tobacco smoke and bacteria are but a few examples.

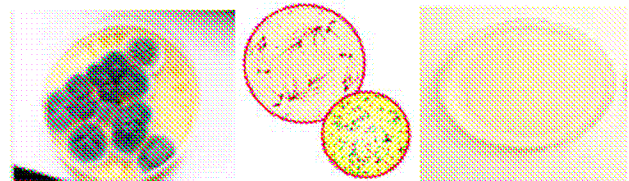
**STAGE TWO:** Germicidal Ultraviolet Light Kills Disease causing Germs on Contact  
Ultraviolet light 10,000 times the intensity of sun light kills viruses and bacteria too small to be filtered out by a HEPA Filter. Ultraviolet technology combined with photo-catalytic oxidation is the most important feature in air purification since germs are easily spread from one person to another by central heating and air-conditioning systems.

**STAGE THREE:** The P.C.O. - Photo-Catalytic Oxidation converts toxic compounds, even carbon monoxide and nitrous oxide, into benign constituents such as carbon dioxide and water without wearing out or losing its effectiveness.

Additionally "Photo-Catalytic Oxidation" Destroys Toxic Chemicals and Eliminates Household Odors. Activated carbon, zeolite and potassium permanganate used by the best air purifiers can rapidly absorb large quantities of toxic fumes, however this media quickly becomes saturated and slowly releases pollutants back into the air stream. This can become very harmful.

Allergic reactions are a noticeable side effect of an unhealthy problem, compounded by untreated air from your heating and cooling system.

We need to be more aware of bacteria, mold and unsafe chemicals that surround us. Dust, virus and chemicals compounds circulate right through the average heating and cooling filter. But not the AirWash PCO.



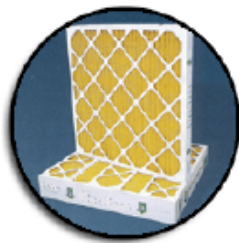
MOLD HOUSEHOLD GERMS PCO TREATED

## Bacteria Grows 24-7

The AirWash PCO was designed to operate 24 hours a day. As a energy saving devise the AirWash PCO uses less power than a night light.

# “The AirWash PCO is possibly the most advanced air purifier available”....

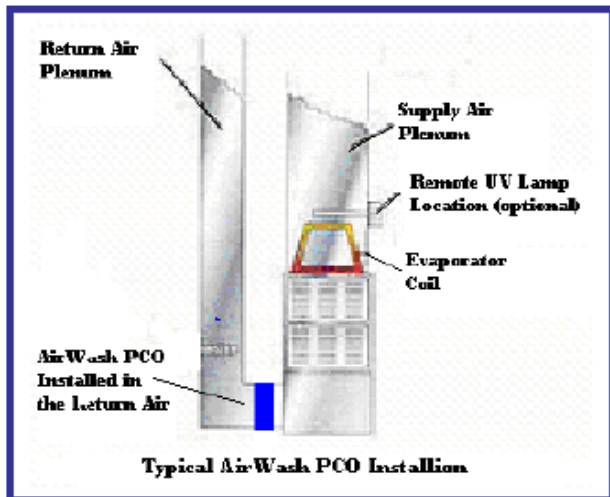
The *AirWash PCO* Particulate Filtration Media (Stage 1) provides higher efficiency on fine particulate matter with lower air resistance! Over 24 sq ft of filter area.



A Perfect Fit For Any Application

The *AirWash PCO* media filter removes up to 96% of microscopic particles and airborne allergens as small as **.3 microns** in size and is capable of filtering out bacteria, fungal spores, dust mites, pollen, insect dust, animal dander and tobacco smoke.

The microscopic particles are known to be one of the primary causes of asthma, emphysema, hay fever, chronic bronchitis and allergies. The elderly and children are especially vulnerable. (The average human hair is **80 microns** in size and a bacterium is **1 micron** in size.)



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## The Total 100% Solution

Below is a diagram provided by the **Center for Disease Control**, it shows the make up air in your home. The *AirWash PCO* will address Bioaerosols, Volatile Organic Compounds (VOC's) and Particulate matter.

When you install the *AirWash PCO* you have completed the recipe for a **100% Clean Air Solution** of most indoor air problems.

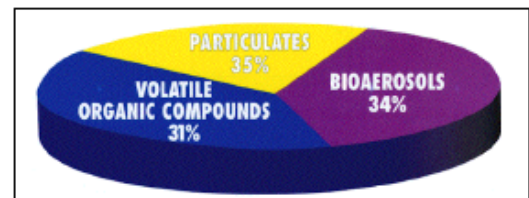


Chart Provided by  
Center For Disease Control and Prevention

**Particulates 35%** – Dirt, Dust, Pollen, Spores.  
**Solution:** Capture with High Efficiency Filters.

**Bioaerosols 34%** – Micro Organisms, Mold, Bacteria, Virus, Fungus, ect.  
**Solution:** Sterilized with Germicidal UV Light

**Volatile Organic Compounds 31%** – Chemical Gasses, Solvents, Glues, Odor Causing Contaminates.  
**Solution:** Evaporate with activated Titanium Dioxide (TiO<sub>2</sub>) Cell

### LifeTime Warranty

The *AirWash PCO* carries a LifeTime Warranty on all workmanship and operating parts with the exception of the Ultra Violet Lamps, these Germicidal Lamps need to be replaced every 24-30 months, the air filter should be replaced every 6 to 12 months or as needed.

The *Honeycomb TiO<sub>2</sub> catalyst* requires no maintenance as long as these steps are adhered to. Please follow manufacturer's recommendations and instructions.

## Clean Indoor Air Just Makes Sense