



Westinghouse

# Ultra Violet Purification Products...

**... a healthy addition to your  
indoor air comfort system**



**You can be sure...  
if it's Westinghouse**



# Using Ultra Violet Technology To Purify Your Indoor Air.

## UV Air Purifiers

Through your Westinghouse Dealer, you can get a Residential In-Duct UV Air Purifier installed to purify the air throughout your home. Westinghouse UV Air Purifiers are designed to change the molecular structure of the contaminant through DNA Sterilization and Photo-Oxidation destroying both biological and chemical contaminants, including odors.

An in-duct UV air purifier treats the moving air in your ductwork. The in-duct UV air purifier is installed with the objective of treating the air, destroying bacteria, viruses, mold, chemicals and odors such as bacteria, viruses, mold, mildew, smoke, formaldehyde, cleaning solvents, etc. There are only thousandths of a second to deliver the sufficient UV dosage needed to destroy the Bio-Chemical contaminants in the air stream. The Westinghouse Process can effectively and efficiently destroy the contaminants that travel throughout the ventilation system.

A Westinghouse UV Air Purifier is the most advanced purification system available - a purifier that destroys biological and chemical contaminants; is self-cleaning and maintenance-free, and comes with the most comprehensive warranty and longest effective Lamp life in the industry.

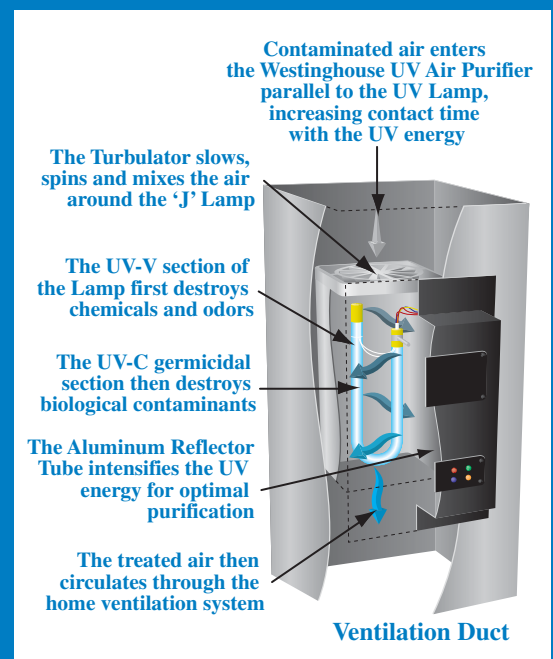


When installed and registered with a Westinghouse comfort system, our residential UV Air Purifiers carry 10 years on the unit, and 3 years on the lamp. Sold separately, the warranty is 3 years on the unit and lamp.

The In-Duct Air Purifier is designed to be on when the ventilation fan is on. As the air continually circulates through the ventilation system, the Westinghouse Air Purifier will continually bring the level of contamination down. With every pass more and more contaminants in the air are destroyed. In a typical application, with a home that has 4 air changes an hour, after 4 hours of operation, the Westinghouse Purifier will on average have treated in excess of 80% of all the contaminants in the air. The Purifiers will destroy the contaminants quicker than they will be introduced into the environment. In-Duct models are designed to run 24 hours a day. That is not to say that they will. In-duct models have either a sensor (R1700GX) or are hardwired (R4000GX) to the home's ventilation system, which means the purifier, will only run when the fan is on. Besides the changing of the lamp, no other maintenance is required for a Westinghouse UV Air Purifier.

### SIM SYSTEM™

Westinghouse High Efficiency UV Air Purifiers incorporate the patented SIM System™. SIM is short for SLOW, INTENSIFY and MIX. Why is the SIM System™ so important? Westinghouse uses a Turbulator to Slow moving air over the proprietary UV "J" Lamp. Contaminants spend a greater amount of time in contact with the UV "J" Lamp, which dramatically increases the purifiers kill. By Intensifying the UV Energy with the Aluminum Reflector, the UV Rays will bombard and destroy the contaminants. Mixing takes place inside the Aluminum Reflector, ensuring that all the air comes in contact with the UV "J" Lamp. After the process, the purified air will mix with the contaminated air, diluting the number of contaminants in the environment. By slowing air over the "J" Lamp, intensifying the UV Energy, and mixing the air, Westinghouse Purifiers can greatly reduce contaminants.



## Smart Saber UV Object Purifiers



The Smart Saber is a patent pending "Object" purifier, designed to bask Stationary Objects (i.e. A/C coil, duct walls) with UVC Germicidal Energy, preventing and destroying mold and other microbial contaminants.

Continually basking the coil with UVC Energy will prevent & destroy mold growth.

### *Features & Benefits*

- Destroys mold & other biological contaminants on the "object" as well as biological odors
- High Intensity 16" UVC Quartz Lamp
- 3 Year Lamp operating life
- 3" LCD Display provides "Real Time" system status:
  - Electro-blue Back-light Display
  - Countdown Display
  - Lamp Out visual Alarm
  - Purifier Operational Animation
  - Visual Status Display
- 110 Volt
- Various Mounting Scenarios
- 1 Year Warranty including the UV Lamp
- CSA C/US Certified & CE Approved

When installed and registered with a Westinghouse comfort system, Westinghouse Smart Saber UV Object



Purifiers are warranted for 10 years on the unit. Sold separately, the warranty becomes 3 years on the unit. Ask your Westinghouse

dealer or go to [www.westinghousevac.com](http://www.westinghousevac.com) for warranty details.

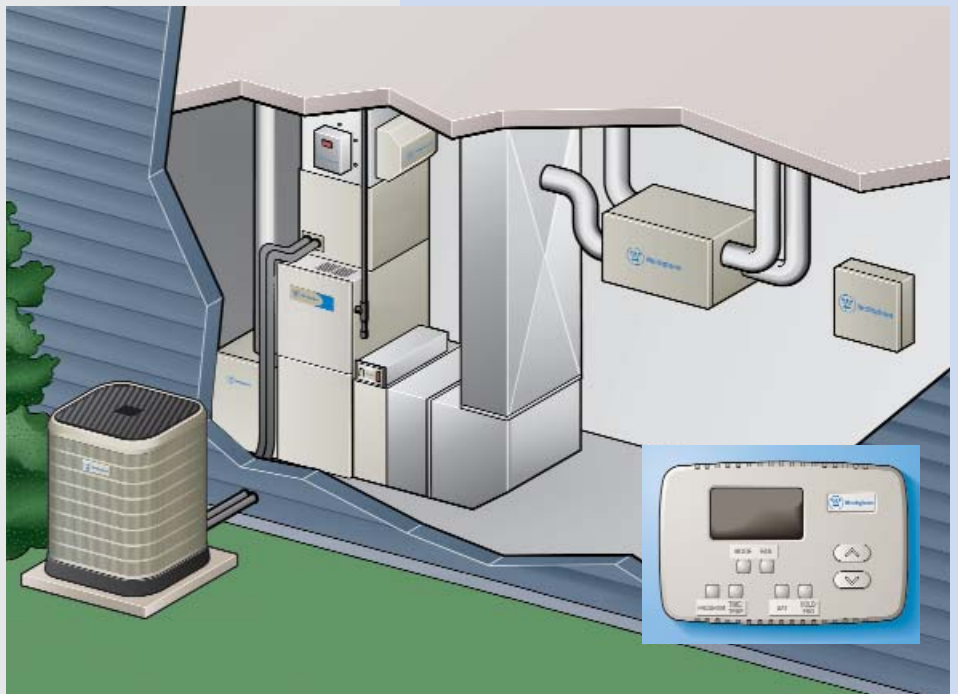
## UV Testing

Tested by The Environmental Protection Agency (EPA) & The National Homeland Security Research Center (NHSRC) on Biological Warfare Agents (BWAs).

A SINGLE UV Bio-Wall 50' (available up to 60' Lamp lengths) showed greater than 99.97% destruction on one pass on airborne bacteria, 99% on viral & 93% on spore.

Testing under task order 1112 of the contract between EPA and Battelle Memorial Institute for implementation of the Technology Testing and Evaluation Program (TTEP was established by the National Homeland Security Research Center with the U.S. Environmental Protection Agency's Office of Research & Development).

## Westinghouse Complete Comfort System





# We spend 90% of our time indoors - most of it at home.

We like to think the air within our home is clean, but surprisingly enough, it is not. Many of us use filters in our home ventilation systems in the hope of removing harmful particles from the air. Biological and chemical contaminants such as mold, bacteria, viruses, allergens, cooking and pet odors, cigarette smoke, and a host of other air-borne pollutants pass through even the highest-efficiency filters like sand through a tennis racket.

Environmental Protection Agency (EPA) studies of human exposure to air pollutants indicate that indoor levels of pollutants may be up to 100 times higher than outdoor levels and these contaminants continually circulate throughout the home.

With the billions of gallons of pollution pumped into the atmosphere every day, how is it we can still step outside and breathe in fresh air? The answer may surprise you: It is because of the....Sun.

The Sun's rays play a vital role in purifying the Earth's air. Ultraviolet Light irradiates the atmosphere, destroying biologicals (UV-C wavelength) and chemicals (UV-V wavelength). Westinghouse has successfully replicated this natural process and developed proprietary technology to purify the air you breathe at home.

Independent University studies concluded that the use of Westinghouse Ultraviolet Purification Systems drastically reduces respiratory symptoms resulting from poor indoor air quality. The studies showed a dramatic decline in concentrations of mold, microbes, endotoxins, infectious agents such as tuberculosis, and many other contaminants.

## List of things the UV Purifiers kill:

- Mold
- Viruses
- Fungus
- Spores
- Bacteria
- Chemicals
- Pet Dander
- Cooking Odors
- Biological Odors
- Cigarette Smoke
- Avian Flu (Bird Flu)
- Formaldehyde
- Diesel Fumes
- SARS
- VOCs
- Adhesives
- Dirty Sock Syndrome
- Sick Building Syndrome
- And Thousands More...



## You can be sure...if it's Westinghouse



For more information, call or write your Westinghouse dealer:

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