

# UVC For Your Home

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» UV has been used to destroy airborne pathogens since the early 1900s.

Common uses were in food processing plants, butcher shops and slaughterhouses. It's only been in the last ten years that UV systems have been developed to operate effectively in environments such as HVAC systems where cold moving air passes over the lamp.

Today, UV technology is used to improve the indoor air quality and save on energy costs in hospitals, schools, office buildings and homes.

» Simply put, every HVAC system is a mold factory with no exemptions.

This is caused by the condensation that occurs at the cooling coil. This dark damp environment is the perfect breeding ground for mold and other harmful microorganisms; they don't stop reproducing until you do something about it - costly coil cleaning is a short term fix (30 days).

» Mold is a leading cause of allergy symptoms, sinus and upper respiratory problems, and sometimes asthma.

Harmful bacteria and viruses cause colds and flu attacks. The exceedingly high concentration of these microorganisms growing on the HVAC coil are polluting our indoor air. Not all of the microbes are dormant during the winter months (that's why some people's allergies are worse in the winter when the heater is running).

Â» Whatâ€™s the solution?

Our system uses Ultraviolet technology (UVC)...

- the UVC band of the Ultraviolet light spectrum is germicidal, UVC de-activates microorganisms such as mold, bacteria, and viruses upon exposure. This is a fact of nature.

We install UVC lamps at the cooling coil, which clean the coil, plenum and drain pan.

(See "Learn About The Science")

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Many people experience significant reduction of allergy symptoms, sinus problems, and related upper respiratory problems once a UVC system has been installed.

Consider this: Free standing air purifiers, ionizers, ozone machines (all room specific), electronic air filters (return air duct), and duct cleaning all deal with the problem after mold and other microbes have colonized on the coil, then spreading their spores throughout your indoor air supply. UVC at the coil stops this before it starts. Why spend money on devices that don't treat the cause? These devices costing \$500.00 and up, don't treat the coil where the problem originates.

Â» A UV system is the only method that continually stops microbial growth and colonization at the coil.

For a few dollars more you can have a system that treats the coil thus your Whole House is not just one room!

Pureaire Technologies specializes in UVC air disinfection, so call the experts when considering an Air Disinfection system. We offer the only UVC product that comes with a 10-year warranty.