



## Improve your home, your air, your comfort

Bacteria. Mold spores. Viruses. They're nasty. So you wash, wipe and clean them away.

Then they blow through the air in your home every time your heating and cooling system's fan runs.

That's not all. Your air conditioner's cooling coils—cool and moist with condensation when it operates—can serve as an ideal breeding ground for mold, a known allergen. Industry experts point to mold as the culprit causing the unpleasant "dirty sock" odor often associated with air conditioning.

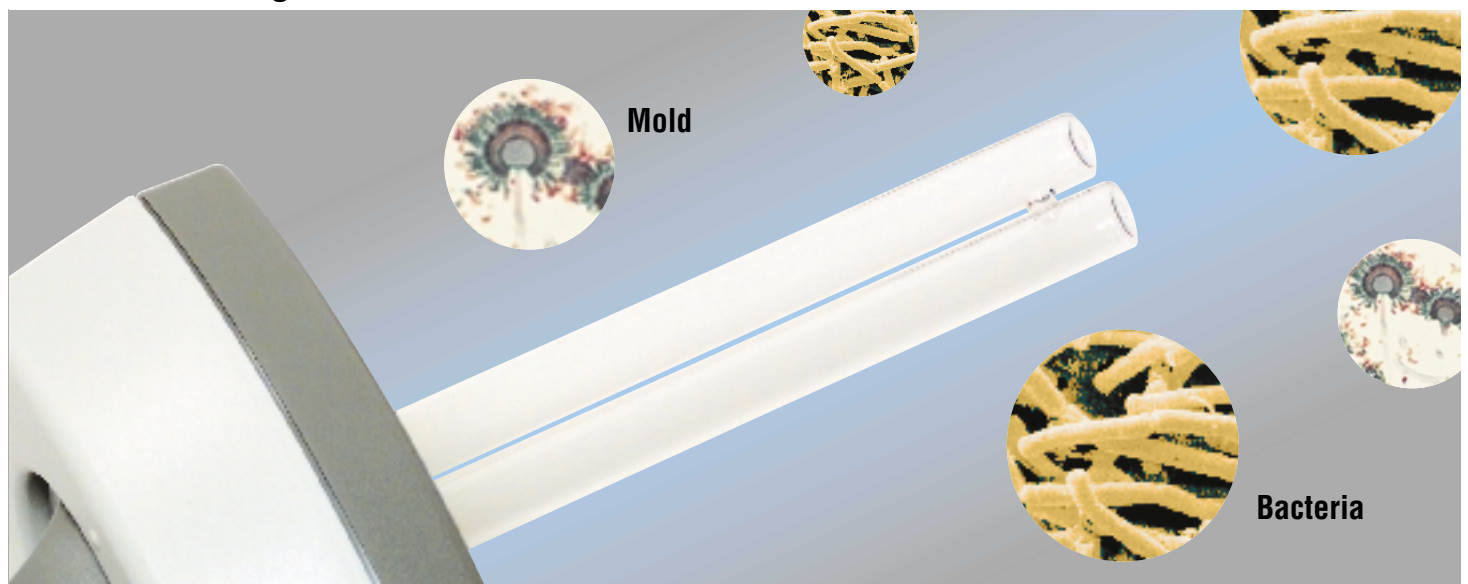
Consider a Honeywell Ultraviolet Air Treatment System. It kills a high percentage of certain germs and mold present in the air passing by it. Pair it with a high-performance whole house air cleaner for a powerful ultraviolet air treatment and air cleaning solution.

### Simple strategies

## Reduce air pollution in your home

- **Source control** reduces the level of air pollution at the source. Encouraging smokers to step outside is one example. Another is using a coil irradiation system to kill mold on your air conditioning system's coils.
- **Ventilation** replaces a portion of stale indoor air with fresher outdoor air. For instance, you open the windows to increase ventilation when you burn toast. Or install a Honeywell Perfect Window™ Wholehouse Ventilation System to provide an energy-efficient way to get the fresh air you and your house needs.
- **Filtration** reduces the level of particles in the air. Install a Honeywell whole-house air cleaner and whenever the blower motor runs, air will be filtered as it passes through the heating and cooling system

### There's something in the air...



**Honeywell's Ultraviolet Air Treatment System kills a high percentage of germs and mold in your ductwork and on your air conditioning coil with high-intensity ultraviolet energy.**



### Zap, then trap

Get the best defense against airborne bacteria and mold. Team your Honeywell Ultraviolet Air Treatment System with a high-performance Honeywell whole-house air cleaner.

### Zap: Kill most germs before they circulate (again)

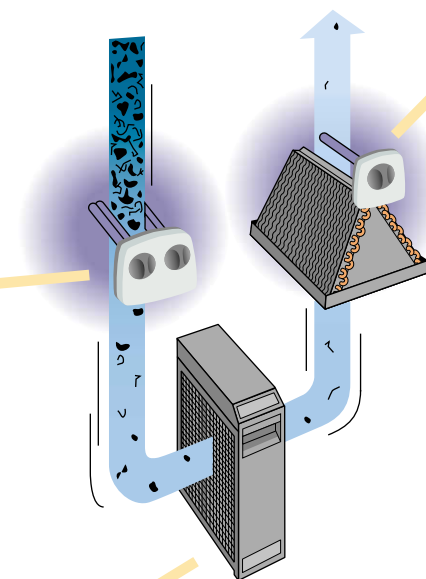
*Return-air duct models.* Located in the ductwork *upstream* of your heating and cooling system, the Ultraviolet Air Treatment System continuously emits high-intensity ultraviolet (UV) energy. The energy kills a high percentage of airborne bacteria passing by the UV light.

A test shows:\*

- *Honeywell's premium dual-lamp model* kills up to 87% of airborne bacteria<sup>1</sup> passing by the system.
- *Honeywell's single-lamp model* kills up to 70% of airborne bacteria<sup>2</sup> passing by the system.

\*Test by independent lab was conducted on one sample. Bacteria were injected into test duct and surviving bacteria counted.

**Disclaimer** Performance of this system in your home will depend on a number of factors including house floor plan design, duct design, and heating and cooling equipment selection. This system may provide some relief to individuals suffering from allergies or other respiratory problems; however, there is no guarantee that a reduction in symptoms will occur through the use of this product because the threshold at which an allergic reaction occurs is different for every person.



### Stop: Put it on a clean coil—and it stays clean

*Coil irradiation model.* Mounted next to your central air conditioner's cooling coils, the Ultraviolet Air Treatment System continuously bathes cooling system components with mold-stopping UV energy. Put it on a dirty coil and tests show that it kills up to 99.9% of mold<sup>3</sup> that could otherwise thrive on your system's cooling coils. What's more, the unit eradicates the "dirty sock" odor sometimes associated with mold growth on cooling coils.

### Maintenance is a snap!

Keep your Honeywell Ultraviolet Air Treatment System running at peak performance simply by replacing the bulbs once a year. Changing bulbs is a snap—no tools required.

### Enjoy cleaner air

Enjoy cleaner air and improved home comfort today. Get the Honeywell Ultraviolet Air Treatment System and pair it with a Honeywell electronic air cleaner. It's your extra-strength air cleaning solution.

### Trap: Capture germs and other particles

A *Honeywell electronic air cleaner* captures up to 91% of the remaining live bacteria<sup>4</sup> and dead bacteria particles in the air passing through the air cleaner. All told, the electronic air cleaner captures more than 94% of all the particles (0.5 microns and larger) from the air passing through the system.

<sup>1</sup> Test performed showed an 87% single pass kill rate of *serratia marcescens* bacteria in a clean metal 12" x 25" duct at an airflow rate of 2000 cfm using new bulbs.

<sup>2</sup> Test performed showed a 70% single pass kill rate of *serratia marcescens* bacteria in a clean metal 12" x 25" duct at an airflow rate of 2000 cfm using new bulbs.

<sup>3</sup> Test performed showed a 3-log (99.9%) reduction in colony forming *aspergillus niger* mold spores when surface was irradiated at a distance of 18" for 3 hours.

<sup>4</sup> Test performed showed a 91% capture efficiency of *serratia marcescens* bacteria using an F50F1065 (20" x 25") air cleaner at an airflow rate of 2000 cfm.

**Honeywell**

### Home and Building Control

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