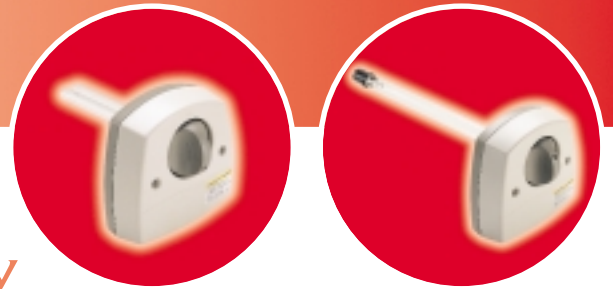


# Ultraviolet Air Treatment System

Improves Your  
Air Quality



You wash, wipe and clean the surfaces in your home to get rid of bacteria, mold and viruses. Then, the fans in your heating and cooling systems blow these offensive materials through your home. Your air conditioner's cooling coils – cool and moist with condensation when it operates – can also serve as an ideal breeding ground for mold, which causes the unpleasant “dirty sock” odor often associated with air conditioning.

Improve your air, your comfort and your home with the 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.

### **KILL GERMS BEFORE THEY STRIKE**

You can kill most germs before they circulate with the Ultraviolet Air Treatment System. This system continuously emits high-intensity ultraviolet (UV) energy to kill airborne bacteria passing by the UV light. Ultraviolet germicidal irradiation technology has been used for many years in critical medical

and industrial applications. A test conducted by an independent lab on Armstrong's Ultraviolet Air Treatment System showed the following results:

- The single-lamp return-air duct model kills up to 70% of airborne bacteria<sup>1</sup> passing by the system.
- The coil irradiation model kills up to 99.9% of mold<sup>2</sup>.

In fact, the coil irradiation model which is located next to central air conditioner's cooling coils, continuously flushes cooling system components with mold-stopping UV energy. When applied to a dirty coil, it eliminates the mold and removes the “dirty sock” odor associated with the mold on the cooling coils.

- 1 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.
- 2 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.

**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.