



American Green Technology introduces the unique, patented Health Risk Management System for offices and commercial buildings, anywhere people work for extended periods of time. The HRMS is proven to simultaneously and unobtrusively neutralize 99.7% of pathogens (including bacteria, viruses, mold and fungi) 24 hours a day at room level requiring only simple, annual maintenance.

Employing CDC’s recommended hierarchy of controls, HRMS eliminates pathogens at the source to improve indoor air quality, minimize asthma and allergy triggers, reduce illness and absenteeism and lower operational costs.

Why is **IAQ** Important?

Poor IAQ is caused by numerous pollutants like bacteria, viruses, mold, dust and dander. These directly affect the health of employees and can lead to absenteeism or presenteeism - employees coming to work sick, which can be even more costly to employers.

The **Problem**

- + Productivity linked to absenteeism costs \$225.8 billion annually
- + Presenteeism accounts for nearly 2/3 total costs of worker illness
- + Employees serve as a vector for disease transmission

The **Solution**

- + UV-C Radiation Chamber
- + 24 Hour Continuous Protection
- + Up to 4 Air Changes per Hour
- + Average 97% **First Pass** Kill Rate
- + Unique, Patented , Effective



The HRMS improves air quality and reduces surface contamination using shielded UV-C technology.



1 PRESSURE

Differential Pressure creates a directional airflow to isolate contaminants in the UV-C radiation chamber. Adequate duration and intensity of the UV-C achieves up to 97% kill rate in a single pass.

2 FILTRATION

A Merv 6 filter removes large dust particles to ensure optimal performance of the fans, UV-C lamp, and optics. Contaminants pass through the filter to the eradication chamber.

3 PURIFICATION

Continuous, 24/7 operation cleans the air up to 4 times per hour. HRMS is up to 99% effective in neutralizing nosocomial pathogens.

4 DILUTION

Continuous purified air changes are crucial to reducing HAI risks. Pathogens are attacked at the source, silently, effectively and continuously.



The superior performance of the HRMS will enable high levels of air disinfection to be achieved as well as a consequent reduction in the risk of airborne nosocomial infection.

Dr. Wladyslaw Kowalski



OVERVIEW

- A single HRMS fixture will treat the air in a 10' x 10' room, with 8' ceilings, once every 16 minutes (that's almost 4 times an hour).
- This room-level purification system utilizes the patented Arcalux® Smart Fixture lighting system as the delivery platform to irradiate with optimal zonal ventilation and re-circulate air to every corner of the room.
- The AGT Health Risk Management System unobtrusively improves indoor air quality, reduces operational costs, saves energy and most importantly, can reduce absenteeism.

FIXTURE FEATURES

- + Easy to install.
- + Does not upset current HVAC system.
- + HRMS uses differential pressure that does not affect HVAC air pressure balance.
- + Proven to reduce mold, fungi, bacteria, viruses.
- + Energy efficient system uses less than 100 watts of power.
- + Tool-less maintenance of lamps, filter, and ballast.
- + Proven to eliminate 99.7% of pathogens.

**CONTACT US TO LEARN MORE @
1 (269) 340-9975**

