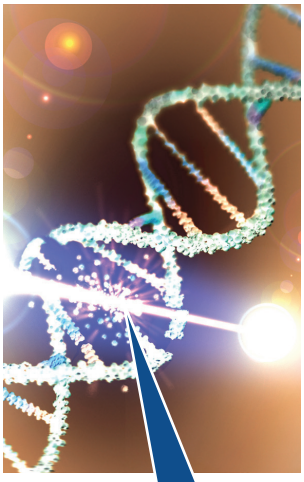
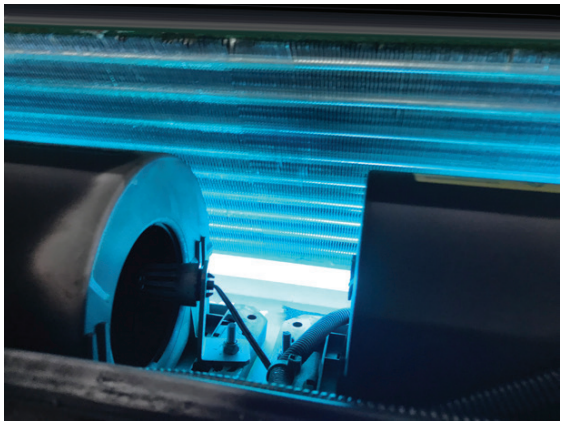
HVAC UV LIGHT DISINFECTION

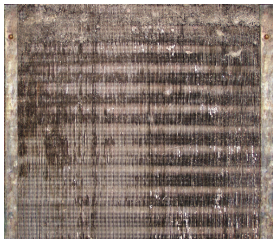




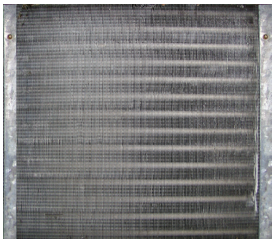
How UV Light Works

UV-C light produced by the Fresh-Aire UV System penetrates the cell walls of micro-organisms causing cellular damage, which kills them by preventing them from reproducing.





Coil with mold



Coil after UV light application

Critical for Maintaining Air Quality in Conditioned Spaces

For over a century, scientists have known of the germ-killing properties of ultraviolet (C-Band) light. UV-C disrupts the DNA of micro-organisms, preventing reproduction and effectively killing them.

UV Light - A Well Established Technology

UV Light disinfection is widely used in hospitals and laboratories to santize instruments and work surfaces to prevent the spread of potentially lethal infectous diseases. The technology is used by the food industry for sterilization before packaging and water treatment systems incorporate UV light as a chemical-free means of purification.

A Cleaner Air System

Installation of a germicidal UV light inside the air system inhibits the growth of mold, providing cost savings for a more efficient operation. A cleaner system also requires less maintenance.

Brighten Your Bottom Line

This product offers heavy-duty UV technology for bus HVAC disinfection. With a robust remote mounted power supply and water-resistant Teflon® coated UV lamps, it allows for easy flexible installation.

Simplified Maintenance

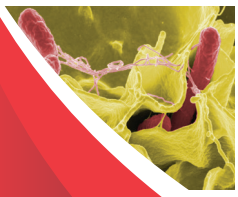
When UV-C lights are properly installed they can eliminate the need for coil and drain pan cleaning. Maintenance personnel are no longer exposed to disinfectants and other cleaning chemicals required for these tasks. Use of UV-C lights can result in a 99 percent reduction of the concentration of germs on irradiated surfaces within the A/C system

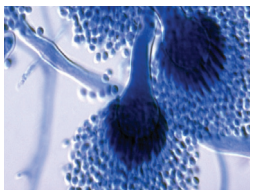
Advanced Power Supply

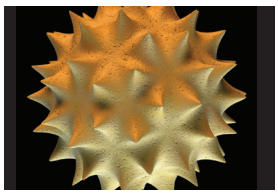
Our 24-30 VDC power supply utilizes a high frequency electronic ballast design for stable lamp operation and increased lamp life. The power supply is compact and easily mounts in the tight confines of the A/C Cabinet.

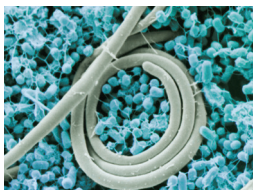
Teflon® Coated, Water-Resistant Lamps

The UV lamps are safety-coated with a Teflon® sleeve. They are water-resistant for mounting in wet locations such as the coil and drain pan. These TUVC-246 UV-C lamps incorporate a durable shielded design that provides longer lamp life in all conditions.









In scientific studies UV light has been proven to kill 90% of microbial contaminants after 10 minutes of exposure and 99% after 1 hour.