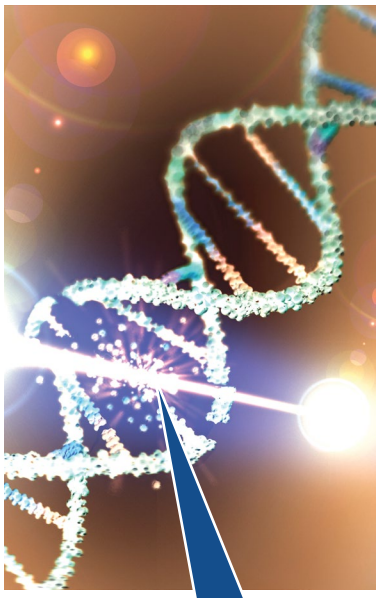
BUS KIT

UV LIGHT DISINFECTION FOR COACHES



How UV Light Works

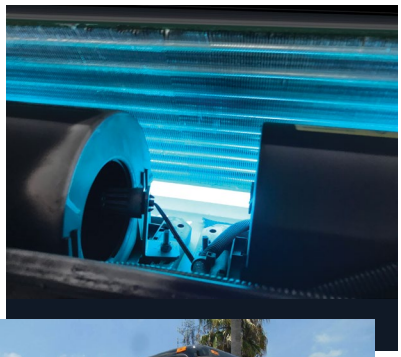
UV-C light produced by the Fresh-Aire UV® System penetrates the cell walls of micro-organisms causing cellular damage, which kills them by preventing them from reproducing.

Maintain Air Quality in Conditioned Spaces

For over a century scientists have known about the germ-killing properties of ultraviolet (C-band) light. UV-C disrupts the DNA of micro-organisms which prevents them from reproducing, effectively killing them.

A Well Established Disinfection Technology

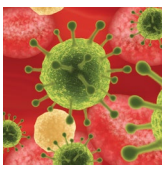
UV light disinfection is now widely used in hospitals and laboratories to sanitize instruments and work surfaces and to prevent the spread of potentially lethal airborne infectious diseases. The technology is used by the food industry for sterilization before packaging, and water treatment systems large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



A Cleaner Air System

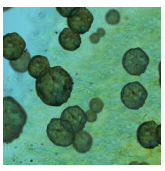
Installation of a germicidal UV light inside the air system inhibits the growth of mold which saves energy by allowing the system to operate more efficiently. A cleaner system also requires less maintenance.

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

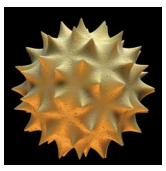


VIRUSES

BACTERIA

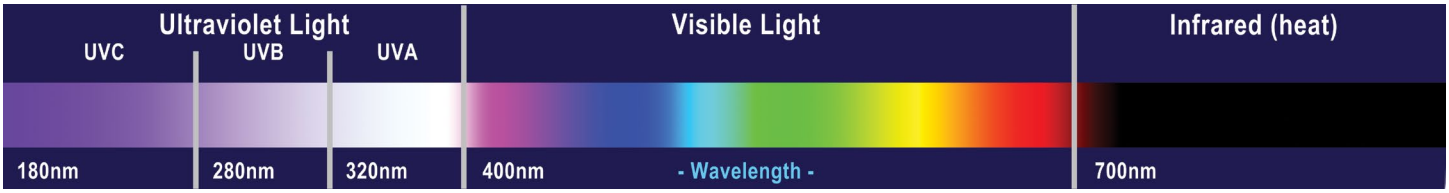


MOLD



ALLERGENS

UV-C Light The “germicidal range” of UV light is approximately 200 – 300 nm, with a peak germicidal effectiveness at 254 nm



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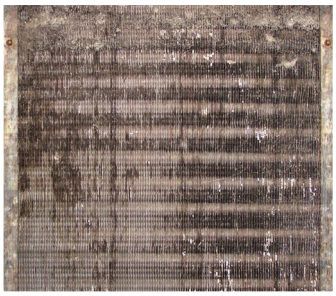
Brighten Your Bottom Line

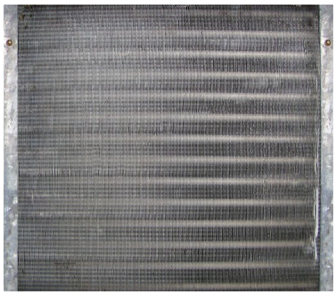
This product offers heavy-duty UV technology for bus HVAC disinfection. With a robust remote mounted power supply and water-resistant Teflon® coated UV lamps, it allows for easy flexible installation.

Simplified Maintenance

- When UV-C lights are properly installed they can eliminate the need for coil and drain pan cleaning.
- Maintenance people 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.



Coil with mold



Coil after UV light application

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 at the coil and drain pan. These TUVC-246 UV-C lamps incorporate a durable shielded design that provides longer lamp life in all conditions.

ALL PARTS LIFETIME WARRANTY EXCEPT LAMPS

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FRESH-AIRE UV®