

Airstream Disinfection

HVAC

Air Stream Disinfection

Commercial Applications

UVMatrix-AS can substantially reduce the spread of airborne illness circulated through 254nm UV light will show a dramatic reduction in the count of bacteria and other microorganisms. Ultraviolet® UVMatrix® AS systems for commercial HVAC, are designed to achieve a balance between intensity and exposure time. Dry contacts are optional for Indoor air that is continuously re-circulated through 254nm UV light indicating lamp operation status.

- Improve indoor air quality through the reduction of airborne pathogens
- Allergy relief
- Odor reduction (when due to bio-contamination)
- Installs in duct to disinfect air circulating through building

Literature Download

T3â,,ç UV Lamp

System Design

Air stream disinfection requires higher UV intensities due to short micro-organism exposure times. The UV-Matrixâ,,ç AS-Series UV lamp design uses {In:T3 Lamp Optimization 'Philips patented compact-twin UV lamps with Ultravation}â,,ç T3â,,ç} enhancement. This design yields approximately 40% more disinfection power using standard energy efficient lamps. The result is unprecedented disinfection performance for HVAC air stream applications! Further, T3â,,ç is a sealed design that allows lamps to be changed with no loss of air pressure.

ESP Electronic Smart Power

UltravationÂ® electronic power supplies optimize UV, lamp life and system reliability {In:ESP Power Supply '...More}