



UVC Solutions for the  
Education Environment.

Science based solutions  
for the costs and problems  
associated with indoor  
air quality (IAQ) for  
schools, universities,  
and daycare facilities.

# Attendance is the key in successful education environments.

## **Absenteeism can be costly on many fronts:**

- Absent teachers cause additional monies to not only pay sick time but to hire substitutes—a double financial hit.
- Absent staff negatively affects productivity and strains resources.
- In many public K-12 institutions, student attendance directly correlates to funding of the institution
- Absent students equal less money for the school
- Chronic Absenteeism can lead to lower achievements which can also affect funding.

## **The Major Cause of Absenteeism in Schools Is Poor Indoor Air Quality (IAQ)**

- With over 14 million missed school days each year, providing the best indoor air quality (IAQ) in educational facilities is not an option – it's essential.
- Poor IAQ can lead to a large variety of problems affecting comfort, concentration, staff, and student performance.
- Contaminated HVAC will:
  - Accelerate the deterioration and reduce the efficiency of the school's physical plant and equipment.
  - Increase potential for school closings or relocation of occupants.
  - Strain relationships among school administration, parents, and staff.
  - Create negative publicity.
  - Impact community trust.
  - Create liability problems.
- Environmental Protection Agency (EPA) studies of human exposure to air pollutants indicate that indoor levels of pollutants may be two to five times—and occasionally more than 100 times—higher than outdoor levels.
- Indoor air problems can be subtle and do not always produce easily recognized impacts on health, well-being, or the physical plant.
- Symptoms, such as headache, fatigue, shortness of breath, sinus congestion, coughing, sneezing, dizziness, nausea, and irritation of the eye, nose, throat and skin, can commonly come from air quality deficiencies.
- Poor IAQ costs educational facilities money

# What Is the Source of Most IAQ Problems?

- Numerous studies have demonstrated that the HVAC system is an amplifier, reservoir and transport of pathogenic and opportunistic bacteria and mold.
- These same pathogens have been associated with asthma, respiratory illnesses and allergies that can lead to school absenteeism and impact student learning.
- As the “respiratory system” of your facility, your HVAC system must be clean and in optimal working order.

Installed in new or existing HVAC systems, Steril-Aire's UVC keeps coils and drain pans clean, eliminating this source of allergens, toxins and irritants supporting a safe learning environment. Biofilm matters to educational budgets as well. Biofilm buildup strains HVAC systems, increases energy and water consumption, and leads to the HVAC system failures that contribute to budget overruns, school closures and delays.

## **Only Steril-Aire UVC Emitters deliver:**

- Reduced costly HVAC maintenance and cleaning programs
- Energy savings by restoring heat transfer and chiller efficiency
- The highest output at HVAC operating conditions for optimal germicidal control
- The most valuable solutions for the Education environment

When you keep your HVAC and air handling systems free of biofilm, you keep indoor air quality (IAQ), staff & student performance high, and your operational and energy costs low.

# Commercial Products

## Enhanced Single Ended Series

### Rapid Install Kit® (RIK)

- Factory pre-wired for ease of ordering and quick, easy installation
- Available for ESE Series UVC Emitters 12" to 61"



### Enhanced Single Ended NEMA4 (ESEN)

- For exterior installed fan coils, heat pumps & unit ventilators, rooftop packaged AHU's, or any unit that is outdoors
- Available in 12, 16, 20, 24, 30, 36, 42, 50 & 61 inch Emitter lengths
- Universal power supply 220-277 V, 50/60 Hz
- NEMA4X



### Enhanced Single Ended (ESE)

- For interior installed fan coils, heat pumps, unit ventilator, packaged AHU's, terminal units and ductwork
- Available in 12, 16, 20, 24, 30, 36, 42, 50 & 61 inch Emitter lengths
- Universal power supply 120-277 V, 50/60 Hz



### Enhanced UVC Kit (EUVC)

- For indoor air handlers with coils up to 122 inches with dual access, fan coils, packaged systems, heat pumps and unit ventilator systems.
- Available in 12, 16, 20, 24, 30, 36, 42, 61 inch Emitter lengths
- Universal power supply 120-277 V, 50/60Hz



## Light Commercial & Residential Products

### Unitary Kit

- For air conditioners below 5 tons, splits, mini-splits, fan coils, packaged terminal units
- Available in 7.5, 10, 16, 20, 24 inch Emitter lengths
- Power supply in 120 or 230





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Steril-Aire has been awarded numerous patents and has earned a variety of awards for innovation and for its proven ability to improve HVAC system cleanliness and efficiency, building comfort and energy conservation, while solving a variety of operational problems. We invite you to learn how our broad range of products can help you. All Steril-Aire products are manufactured in an ISO 9001:2015 and ISO 14001:2015 facility in Burbank, CA, USA.



Registered to  
ISO 9001:2015



Registered to  
ISO 14001:2015



Complies with current  
U.S. and Canadian  
safety standards for  
use in HVAC equipment