



"Raising the IQ in IAQ"

ActiveAir Solutions for Schools

Providing cutting edge IAQ Systems for improved indoor air and meaningful energy savings for the wide variety of educational facilities:

- Schools
- Libraries
- Auditoriums
- Athletic Facilities
- Student Housing
- Administrative Buildings



From the EPA IAQ Reference Guide –Section 1: "Why IAQ Is Important to Your School?"

"Most people are aware that outdoor air pollution can impact their health, but indoor air pollution can also have significant and harmful health effects. The U.S. 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. These levels of indoor air pollutants are of particular concern because most people spend about 90 percent of their time indoors.

"Good IAQ contributes to a favorable environment for students, performance of teachers and staff, and a sense of comfort, health, and well-being. These elements combine to assist a school in its core mission — educating children.

"In recent years, comparative risk studies performed by EPA and its Science Advisory Board (SAB) have consistently ranked indoor air pollution among the top five environmental risks to public health. Good IAQ is an important component of a healthy indoor environment, and can help schools reach their primary goal of educating children."

(Source: www.epa.gov/iaq/schools)



"In addition, the developing bodies of children might be more susceptible to environmental exposures than those of adults. Children breathe more air, eat more food, and drink more liquid in proportion to their body weight than adults. Therefore, air quality in schools is of particular concern. Proper maintenance of indoor air is more than a "quality" issue; it encompasses safety and stewardship of your investment in students, staff, and facilities"

(source: www.epa.gov/iaq/schools)

How can IAQ systems from **ActiveAir Solutions** improve IAQ & also dramatically reduce energy costs in schools?

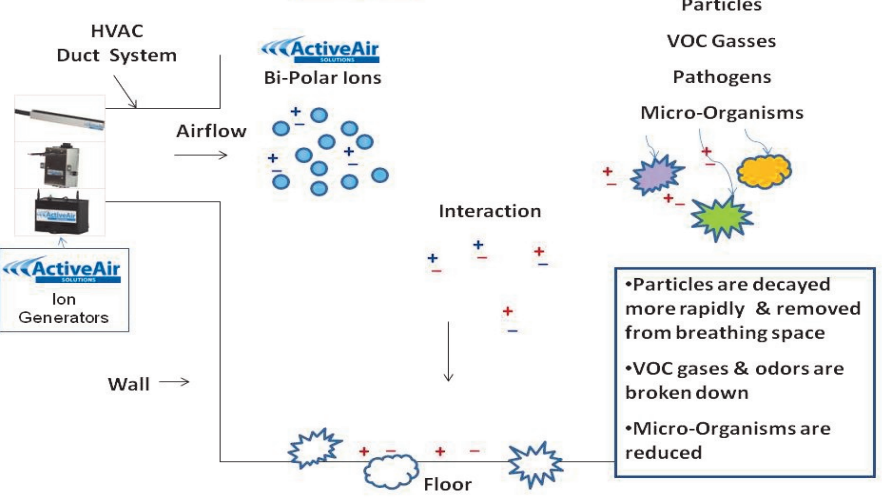


ActiveAir Solutions specializes in providing energy reducing air purification systems for indoor building environments including many schools & educational facilities. Our unique & proven air purification process will allow for significant & measurable energy reductions while also being able to dramatically reduce, control or eliminate airborne particulates, odors, germs, viruses, bacteria, volatile organic compounds, mold spores & other airborne contaminants that make their way through conventional filtration systems.

ActiveAir's smart systems can integrate state of the art, custom sensors to measure volatile organic compounds (VOC's), with the latest innovations in cold plasma bi-polar ionization (BPI) technology, and cutting edge air ion sensors which can interface with current building management systems to provide full control and measurable performance to substantially improve and purify the air we breathe where we live and work!



The **ActiveAir Solutions** Ionization Process



ActiveAir Solutions & Energy Savings

- Implementation of **ActiveAir IAQ Systems** can allow schools to reduce Outside Air (OSA) by up to 50% or more by moving from the ASHRAE 62.1 Ventilation Rate Procedure (VRP) to 62.2 IAQ Procedure
- Can reduce required sizing for HVAC system on new projects allowing for a typical first cost savings of \$2.50 per sq ft
- Can reduce heating and cooling of OSA allowing for typical Annual Energy Savings of up to \$.50 per sq ft.
- Also allow for fewer changes of cheaper less restrictive filters .
- Unlike UV or other ionization technologies, no cost or labor for frequent replacement of bulbs.
- Low or minimal maintenance costs
- Major county schools systems now benefitting from substantial energy savings by implementing systems

ActiveAir Solutions impact on IAQ

- Airflow through a buildings HVAC system passes over **ActiveAir's** Ion Generator which energizes the air to create a higher concentration of both positive and negative air ions.
- The airflow then distributes the ions into all of the spaces served by the HVAC/ Duct system.
- The Bi-Polar Ions (BPI) will dramatically affect a greater number and variety of airborne contaminants such as volatile organic compounds (VOCs), mold, and many pathogens.

Learn more about the possibilities to reduce absenteeism & energy costs with IAQ Systems from ActiveAir Solutions at:
www.ActiveAirSolutions.biz
 or email us as
info@ActiveAirSolutions.biz



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