FG™
Indoor Air Quality

Indoor Air Quality (IAQ) is critical for Schools Performance

Safer | Healthier | More Productive

Schools are the most highly used buildings in our society, and many face the challenge of providing a safer, healthier and more productive environment for children and teachers.

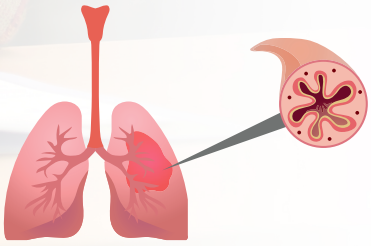
Despite efforts to deliver the best experience to students, many schools have HVAC systems that are compromised and deliver poor air quality.

Children are especially vulnerable to poor environmental conditions and sick school buildings have negative impacts on their safety, affecting the health, comfort and learning performances.

The impact of a poor IAQ

According to the Environmental Protection Agency, nearly 1 in 13 children of school-age has asthma, the leading cause of school absenteeism due to chronic illness. There is substantial evidence that indoor environmental exposure to allergens, such as dust mites, pests, and mold, plays a role in triggering asthma symptoms.

- Shortness of breath
- Chest tightness
- Difficulty breathing
- Wheezing
- Coughing causing trouble sleeping

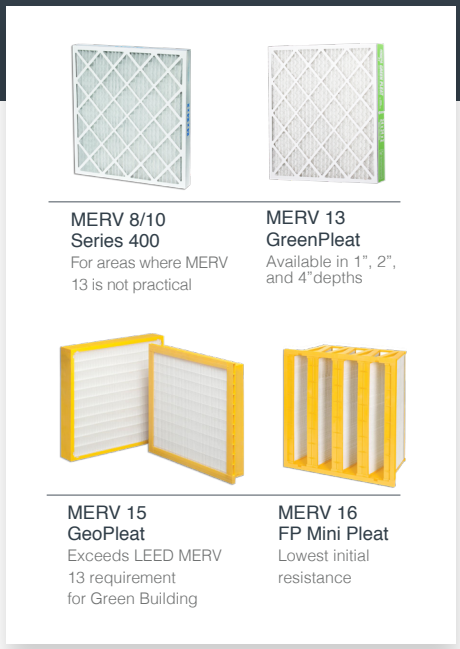


Inflamed Bronchial tube of an asthmatic

When an HVAC system isn't properly maintained due to cost-cutting measures, it cannot function optimally. Students and faculty are then liable to sickness — and in some school districts, if the absenteeism metric is too high, they can lose essential funding.

Discover the FG IAQ Difference

Safer | Healthier | More Productive



Total Cost of Ownership: the key to Saving Money and Increasing Productivity

The U.S. Department of Energy states in its Guide to Financing Energy Smart Schools that K–12 schools spend more than $8 billion on energy annually, making energy the second highest operating expenditure for schools after personnel costs.

Understanding the Total Cost of Ownership (TCO) will help schools to save money while keeping educational facilities safe and reliable.

Annual Total Cost of Ownership

TCO = Labor + Filter Cost + Energy + Disposal Cost

The TCO considers the purchase price of your filtration solution plus the associated costs of maintenance and operation. Accounting for TCO helps you recognize the value of a product over time. Filtration experts can provide a TCO analysis to include direct and indirect expenses in an HVAC operation.

Choosing the right filter and maintenance program offers Schools a long-term saving while being the key to remove airborne pathogen and achieve the indoor air quality levels needed.

Proven Solutions

Minimum Efficiency Reporting Value (MERV), is a standard that rates the overall effectiveness of air filters. The higher the MERV rating the finer the filtration which equates to fewer dust particles and other airborne contaminants passing through the filter.

According to the National Air Filtration Association (NAFA), air filters should have a Minimum MERV, between 8 and 13. To sustain the degree of filtration required, while keeping energy costs low, an active maintenance program is essential.

What the Experts Say

High Efficiency particulate and AMC filtration may cost more, but it's worth it when accounting for the health effects – absenteeism, productivity, and morale.

Dafco solution experts have the knowledge and experience to solve the most challenging situations – let us help you get prepared!

CONTACT US FOR A FREE ON-SITE FILTER AUDIT BY ONE OF OUR VALUED DISTRIBUTION PARTNER

FG™ Indoor Air Quality

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