

DUCT SEALING

An IAQ Solution for K-12

Delivered by:
IAQ Kentucky
A Crestwood, Kentucky SDVOSB



Improving Airflow, Ventilation in K-12 Facilities with Duct Sealing

The importance of indoor air quality (IAQ) has never been greater. And while the link between IAQ, sick building syndrome and productivity has been proven, most facility managers only treat the symptoms of poor IAQ. Without treating the primary cause, leaky ductwork, schools will continue to put student health at risk.

Leaky Ducts Ruin the Air We Breathe

Leaky ductwork lets contaminants including pathogens, mold spores, mildew, VOCs, and dust to circulate throughout the building. As you can see on the following page, this impairs the dilution of contaminated indoor air as well as the exhaust of that diluted air from the building.

Relying on filtration, UV lights, and duct cleaning alone to solve the issue is not enough. These technologies do not address the root cause of poor IAQ. And ductwork is often behind drywall

and in crawlspaces, making it impossible to repair without the added cost of demolition and restoration.

A Safe & Effective ECM with Guaranteed Results

Aeroseal's duct sealing technology is used across the globe to improve IAQ. We have delivered results for more than 150,000 projects— including education and healthcare facilities as well as government buildings and corporate offices. And our technology and sealant comply with some of the industry's most exacting requirements.

Poor IAQ is a Critical Problem We Solve

90% ... of an American's time is spent indoors – **EPA**

40% ... of the U.S. population risks health problems from poor IAQ – **Greenguard Certification**

\$60B \$60 Billion dollars is lost each year to lower worker productivity from poor IAQ – **NADCA**

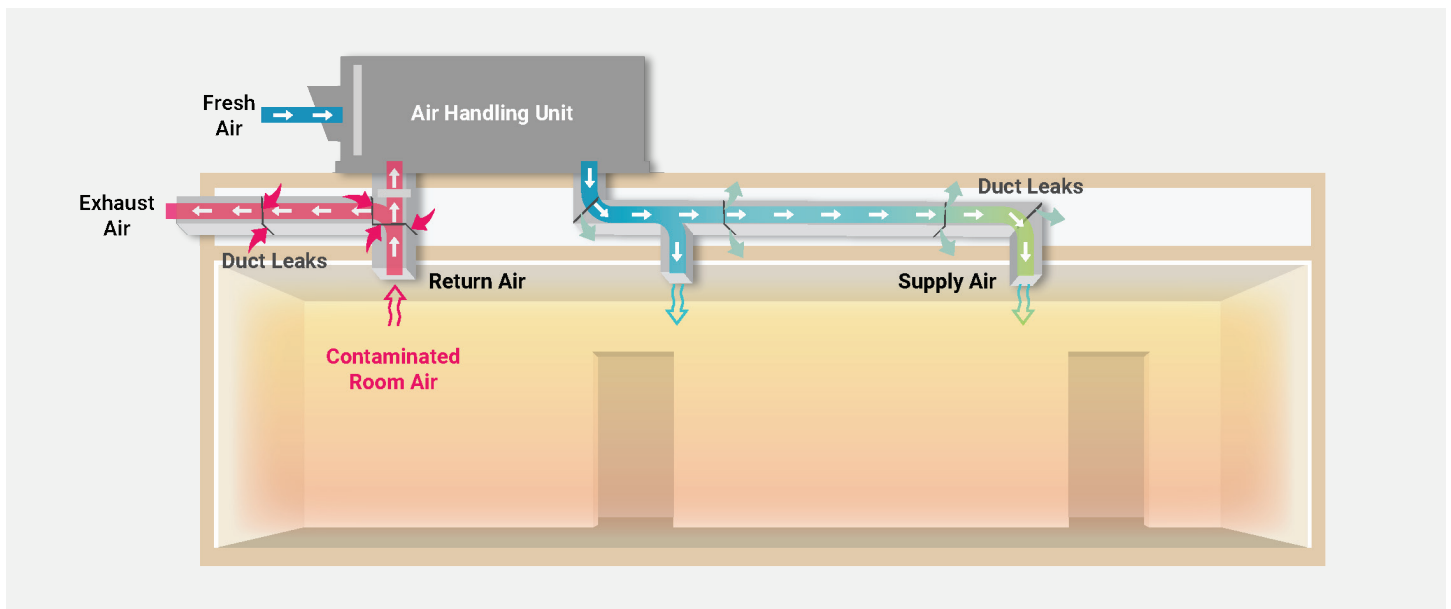


Improper HVAC operation and maintenance are its most common causes – **CDC**

66% ... of IAQ problems involve inefficient ductwork – **NADCA**



Proper ventilation reduces the spread of pathogens – **Harvard University**



How Leaky Ductwork Impacts IAQ: Leaks in the supply and return ductwork impacts IAQ. First by reducing the dilution of contaminated indoor air and then by exhausting less of this diluted air from the building.

Aeroseal is backed by a comprehensive process and innovative duct sealing technology to address IAQ problems at their source.



Audit & Evaluation

Data gathering and site inspection is conducted to create an efficient and effective plan that is customized to meet your project's specific needs.



Model & Plan

We use one of our four different models to calculate and quantify duct leakage. This data is used to inform energy savings models.



Repair, Clean, Sanitize & Seal

As needed, the ductwork is repaired, cleaned, and sanitized to prepare for the duct sealing process. Then we pressurize your entire ductwork system and use our non-invasive technology to seal the ductwork and reduce duct leakage as much as 95% or more on projects.



Measurement & Verification

Our software tracks, records and verifies project work digitally, in real time. Once leak reduction goals have been reached, the Aeroseal software prints a certificate of completion (shown here) with before and after leakage amounts.

Free Project Audit

Contact us today to get a free project audit from our team of experts and learn how Aeroseal can improve your next Education project.

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