

Ensure Long-Term Ventilation Operation and IAQ in Virginia Schools

A one-time Inspection and Evaluation every 4 years isn't enough. Real-time airflow measurement is the only reliable method to verify ventilation and pressurization, ensuring healthy indoor air throughout the year.

Why It Matters

With Virginia's new law [Chapter 9 of Title 22.1; Article 4] requiring ventilation verification every 4 years starting July 1, 2025, it's time for HVAC professionals and school leaders to think beyond check-the-box compliance. One-time verification provides only a snapshot of a moment in time. What happens the other 1,459 days? A permanent airflow measurement solution monitors ventilation, supply, return, and exhaust systems every day.

Why Install Permanent Airflow Measuring Devices?

- **Real-Time Verification** – Know your airflow rates in and out of the building at any time, not just once every 4 years.
- **Improve Evaluation** – Having installed airflow measurement devices will make future required inspections and evaluations easier to achieve.
- **Ensure Compliance** – Easily validate and confirm you have at least the minimum code required for ventilation delivered.
- **BAS Control** – If a school has a Building Automation System, integration will maintain flow rates and actively adjust to changing conditions. If there is no BAS, no problem. EBTRON's IAQ Enforcer® System can connect up to 20 airflow devices to the SDX 1000 Smart Display Panel for visual verification.
- **Detect System Issues** – Identify problems before they impact indoor air quality (IAQ).
- **Support Resilience** – Installed airflow measurement devices makes adjustments easy if reducing ventilation for wildfire smoke or increasing for infectious aerosols.
- **Reliability** – EBTRON solutions are accurate, repeatable, and provide long-term stable performance.

CO₂ Sensors Alone Aren't Enough

Evaluating CO₂ levels require knowing real-time ventilation and the current occupancy. Making assumptions about what are good and bad levels of CO₂ without measuring ventilation can lead to incorrect IAQ conclusions.

Next Steps for Virginia Schools

Start planning now. Mechanical engineers, contractors, hygienists, and certified TAB technicians should collaborate with schools to implement a permanent solution that makes future inspections and evaluations easier while maintaining IAQ and energy efficiency.

Contact your local EBTRON Rep or visit [EBTRON.com](https://www.ebtron.com) to learn more about airflow measurement solutions for K-12 schools.

