

The benefits of cleaner air for classrooms

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Following recent news that multi-million-pound investment will flow into hundreds of London schools to help reduce pollutants and improve classroom air quality, a new generation of filtration technology has come into focus. These systems give schools a practical, proven way to enhance comfort and pupil concentration, and bolster infection control.

Kristian Gabor, education sector specialist at leading commercial equipment company [JLA](#), explains how modern air filtration units will play a key role in the programme – and why, as evidence for clean air's role in positive learning outcomes continues to grow, their presence will become even more commonplace in education settings over the coming years.

Why clean air matters in schools

Successive studies have shown that proper ventilation and clean air can support pupil and teacher wellbeing and directly affect how students learn, feel and behave in the classroom.

Poorer air quality, meanwhile, is likely to contribute to tiredness, reduced concentration and even higher rates of illness. For schools, this can also lead to more staff absence, rising agency costs, and ongoing disruption during flu season – a key time for learning.

Air filtration supports a healthier classroom environment by continuously reducing the airborne germs that spread quickly during the colder months. And unlike opening windows, a unit makes it simpler to maintain warmth and comfort without wasting energy on lost heat - an important consideration as schools continue to manage rising utility costs.

How do air filtration units actually work?

Generally, filtration units take in ambient air to screen out harmful particles, including dust, allergens, and viruses, using a special filter. The unit then releases a steady stream of cleaner, safer air back into the room - a cycle that helps to reduce the transmission of airborne infection while improving overall air quality.

Developed after many years' work in high-care environments, JLA's discreet but powerful units use medical-grade HP14 HEPA filters to remove up to 99.995% of viruses, fungi, bacteria and pollutants in a space, with particle counts proven to come down within just minutes of a unit being turned on.

Controlled testing has seen these units reduce the spread of coronavirus, seasonal flu and even the fine particles linked to asthma and poor respiratory health in children. Plus, their activated carbon filters help to eliminate unwelcome odours quickly, contributing to a calmer, more comfortable classroom in which pupils can better concentrate.

Schools and other settings are finding JLA's units to be a smarter choice because they offer a longer filter life than comparable units, resulting in operational cost savings. What's more, they consume up to 50% less energy. This is in part because the HP14 HEPA filters also feature 40 to 50% more media than equivalent models, allowing cleaner air to be achieved more efficiently.

The accessible way for your school to invest in cleaner air

As clean air climbs the agenda and more schools take advantage of new investments and guidance, JLA's all-inclusive equipment and support package, Total Care, offers complete peace of mind for a simple, predictable monthly fee.

With free installation, inclusive servicing, breakdown and repairs, and no call-out

charges, ever, Total Care removes some of the budget challenges often associated with upfront payments. Schools also get access to round-the-clock support and advice from our specialists, along with the reassurance that comes from our 450-strong network of engineers.

For guidance on creating safer classrooms and improving air quality in your setting, visit [here](#).