



SAFE SCHOOL EVERYDAY- PROTECTING STUDENT HEALTH

AIR QUALITY IN SCHOOLS

Mobile HEPA air purifiers reduces the risk of airborne viruses

For a safe school operation, healthy and virus-free air in the classroom is needed to avoid infections and diseases. Viruses, such as COVID-19, can spread through the air in the form of aerosols. Depending on factors including ventilation rates and particulate levels, these viruses can remain airborne for several hours. Indoor environments can experience a higher concentration of aerosols (high viral load), which can increase the risk of infection.

The solution for the indoor air in schools

Ventilation or air circulation through fully opened classroom windows is not sufficient. The risk of infection in the classroom decreases when stationary air purifiers with integrated high-performance filters are installed. Our City range of air purifiers can help reduce the risk of airborne virus transmission.

Our air purifiers are designed with increased air changes and improve filtration efficiency in mind. The pathogens contained in the aerosols are captured via high-performance air filter (HEPA filters, H14), with an efficiency of removing 99.995% of contaminants classified as submicron particles such as the COVID-19 virus (removes particles ranging from size 0.06 to 0.1 μ). The air purifiers of the City series are quiet, as they are specially designed for use in office or classrooms.

Camfil CITY range air purifiers:

- Mobile air purification systems
- 2-stage filter system with H14 HEPA filter, and molecular filters against odors
- Reduces airborne allergens and infectious viruses and bacteria
- Increases concentration and brings more productive energy through improved ambient air
- HEPA filter tested according to EN 1822 and molecular filter test to ISO 10121 with a separation performance of 99.995%
- Plug-and-play unit for easy deployment



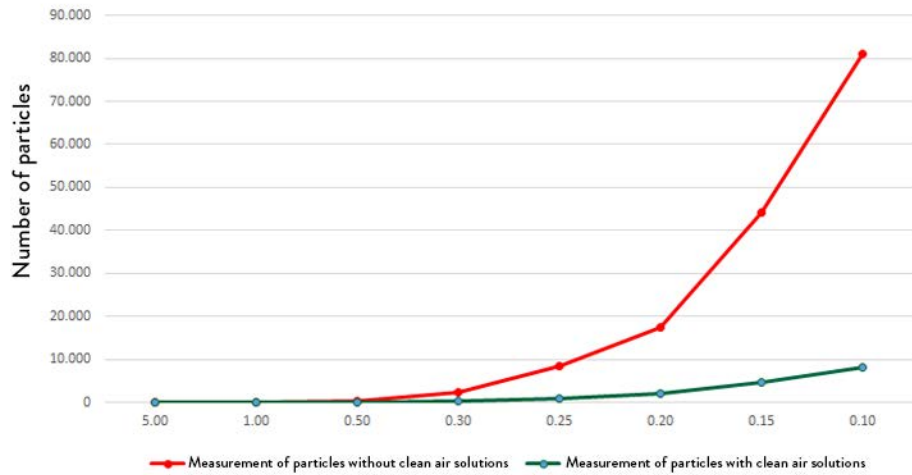
Air Purifier
City M

The proof: Air purifier of the City series used in school

Good learning, good air:
Using high-performance air purifiers ensured a healthy room and clean air at a school in Bad Oldesloe, Northern Germany.

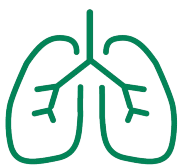
The results speak for themselves.

Example of particle concentration in the classroom
Measurement Period: 8:00 am to 9:30 am



Classroom size:	ca. 50 m ² / ca. 150 m ³
Period of measurement:	from 8:00 a.m. to 9:30 a.m.
Number of people in the classroom:	33 students (5th grade) + 2 teachers
Result of particle reduction:	approx. 90% - 95%

Other benefits of clean air in schools



Cleaner Lungs



Improved Mood



Longer Life Span



Improved Productivity



Better Immune System



Reduced Allergies & Asthma Symptoms