

AmbiCube filters airborne viruses

Keller Lufttechnik launches air purifiers for medical offices, schools, business offices, ...



Wintertime - Infection time! The risk of getting infected with the corona virus is particularly high indoors. The new, compact AmbiCube room air purifier from Keller Lufttechnik can significantly reduce this risk. Used in a room of a size up to 70 square meters, the entire air volume inside the room is cleaned more than six times per hour, removing 99.995 percent of all fine particulate, bacteria, pollen and viruses - a vital contribution to overall well-being.

A team of US-American scientists from the University of Minnesota predicts that the corona virus will become part of our everyday life for another one and a half to two years. Experts from science, business and politics are therefore working at full speed on additional measures to enable people to lead a more or less normal life during this time, while keeping the risk of infection at a low level.

Focusing on polluted air in indoors

90 percent of corona patients become infected via virus-contaminated liquid particles - tiny droplets or aerosols. They are inevitably released into the air when infected people speak, shout, laugh, sing... and may remain in

the room for hours to infect others. The risk could only be noticeably reduced with regular venting - ideally every quarter of an hour - which is hardly sustainable during the cold winter months, so an alternative is necessary.

The solution: AmbiCube room air purifier

Keller Lufttechnik, experts in air pollution control from Kirchheim/Teck, developed the AmbiCube - a compact, multi-purpose room air purifier. It is equipped with two different filters (ePM1 65 % according to ISO 16890, and H14 filter according to EN1822), that filter 99.995 % of even the finest particles from the ambient air. >



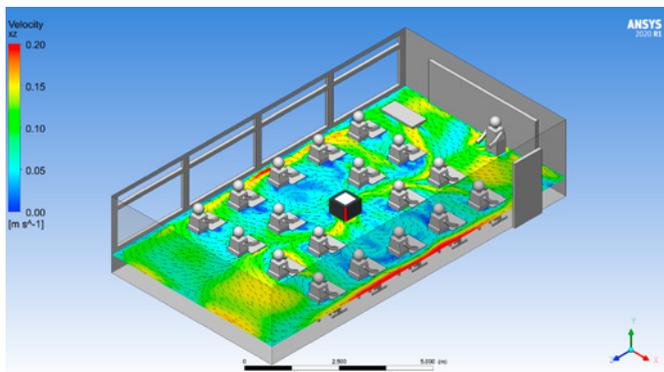
The AmbiCube is designed to be intuitive and flexible to use. Because the device is on casters, users can slide it to wherever they need it at any time.

As good as continuous venting

"The AmbiCube purifies 1,000 cubic meters of air per hour and is therefore suitable for rooms up to a size of approx. 70 square meters. In larger rooms, we combine several units," explains Ulrich Stolz, Head of Technical Engineering at Keller Lufttechnik. "With its advanced capabilities, we ensure that the room air is completely filtered and cleaned of viruses more than six times per hour. This is equivalent to continuous venting. Our flow simulation of a classroom that is fully occupied confirms this." The AmbiCube suction in the heavier polluted room air at floor level, and purified air is released at the top of the unit. It captures the descending flow of the droplets and ensures a circular flow throughout the room. Our compact unit is therefore ideal for increasing protection inside medical offices, clinics, hotels, schools, day-care centers, nursing homes, and sports or fitness studios. It also provides significant health protection inside business offices, conference rooms or cafeterias.



The sturdy and stable industrial design of the AmbiCube provides adequate safety for public spaces and is suitable for use inside schools, restaurants, cafeterias, medical offices, fitness studios, break rooms and waiting areas, etc.



A flow simulation proves that in a room measuring 70m², an AmbiCube cleans the entire room air over six times per hour, and removes 99.995 percent of all particulate, bacteria, pollen and viruses. It successfully provides a vital health protection that is as beneficial as a thorough airing.

Plug in and go

"We have designed the AmbiCube to be intuitive and flexible to use," says Ulrich Stolz. "Because the device is on casters, users can slide it to wherever they need it at any time." The AmbiCube also offers an excellent price-performance ratio, emphasizes our division manager, who therefore expects an ultimately positive market response to Keller's new product.

High industry standard from the experts in air pollution control

Up to the present, Keller Lufttechnik has historically provided clean air, especially in large manufacturing plants. Thanks to the AmbiCube, the company is now offering its high industrial standards for extraction systems to interested parties in the health, education and service sectors. "As specialists for clean air, we provide our customers with professional advice and can suggest the most suitable combination of units for the conditions provided", says Ulrich Stolz. <



Important: Follow personal protective measures regardless of air purification units

It is important to stress to users of air purification devices that, notwithstanding these systems, they should adhere to the currently applicable corona rules of proper hygiene (mouth-nose covering, keeping one's distance, washing hands). Although our devices do indeed purify the air inside rooms and thus reduce the general viral load, if someone releases viruses while talking, shouting, singing, etc., others can come into contact with those viruses even before the device has detected and filtered out the contaminant from the air.

Our AmbiCube: Figures, data, facts

	AmbiCube
Air flow (m³/h)	Adjustable: 0 to 1.000
Power (kW)	0,5
First filter stage	ePM1 65 % according to ISO 16890, formerly known as F7
Second filter stage	H14 according to EN 1822
Voltage (V/Hz)	230/50
Casters	Standard
Dimensions (LxWxH, cm)	61 x 61 x 106