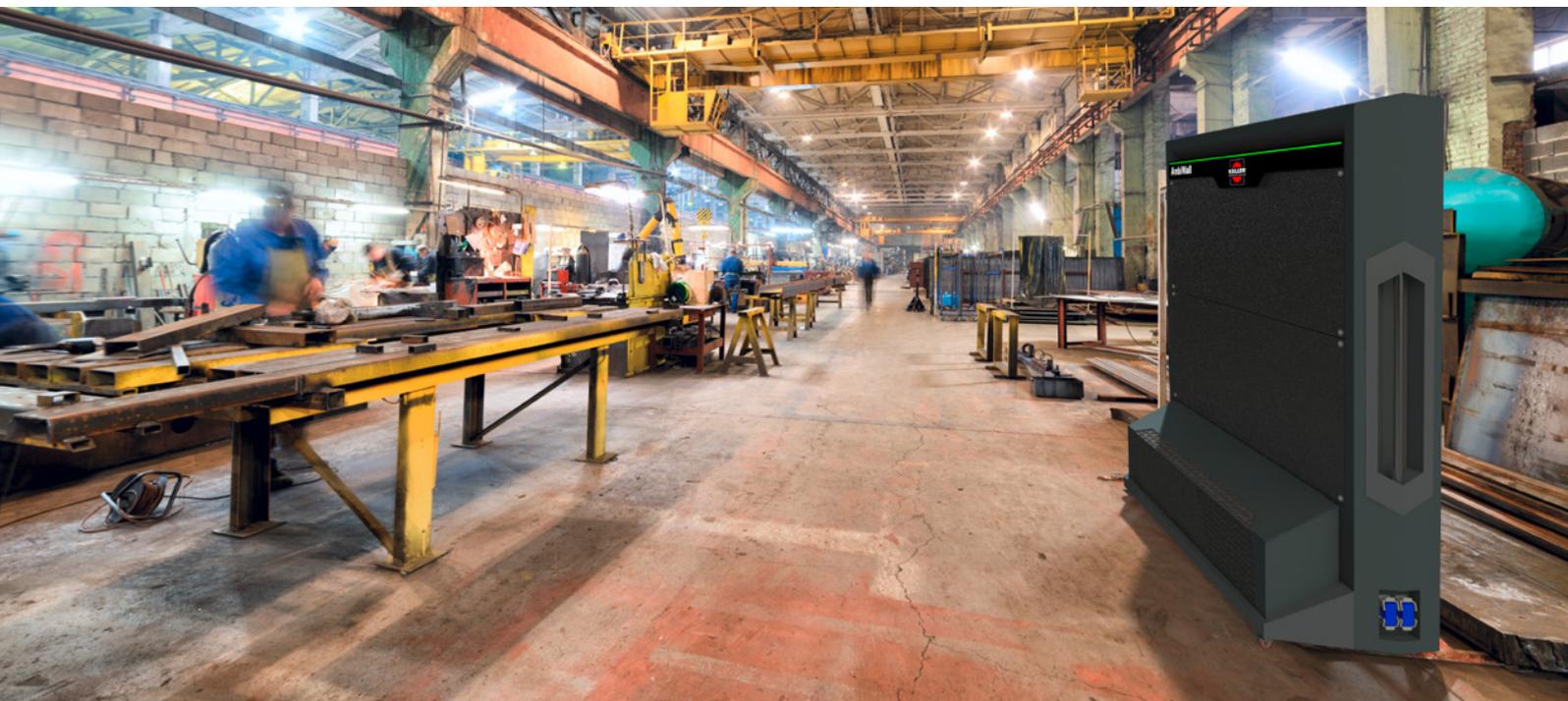


# **AmbiCube and AmbiWall reduce the risk of infection inside offices, conference rooms, cafeterias...**

Air pollution control expert Keller Lufttechnik expands its product range for room air purifying.



**Today production plants and industrial manufacturers can obtain all equipment and systems for air pollution control from a single source: The well-established company Keller Lufttechnik, especially renowned for its extraction systems for industrial applications, has expanded its Ambi product family. The flexible, compact plug-and-play units AmbiCube and AmbiWall can filter viruses, bacteria, fungi, pollen, spores and fine dust up to 99.995 percent from the air, thereby protecting the well-being of employees.**

The Corona virus is appropriately focusing public attention on the issue of indoor air quality. Based on current knowledge, 90 percent of those infected become infectious via droplets (> 5 micrometer,  $\mu\text{m}$ ) or aerosols (< 5  $\mu\text{m}$ ) that carry the virus and can remain in the air for hours. This means that air purification units that filter these particles from the air can significantly reduce the viral load and thus considerably lower the risk of infection. With the AmbiCube and the AmbiWall, Keller Lufttechnik from Kirchheim unter Teck near Stuttgart is now launching two devices that can accomplish precisely such a task.

## **New: AmbiCube for clean air indoors**

The AmbiCube is a compact, flexible and useful room air purifier. It is equipped with two HEPA filter levels, an ePM1 65 % according to ISO 16890, formerly known as F7, and an H14

filter according to EN1822. Therefore, it removes 99.995 percent of all particulate from the air, even tiny particles measuring between 0.1 and 0.3 micrometers. The first filter exchange can be expected after 2 to 5 years, depending on the intensity of use. A sensor indicates the proper time for a filter change.

The AmbiCube cleans 1,000 cubic meters of air per hour and is suitable for rooms up to a size of about 70 square meters. "If rooms are even larger, with unusually high ceilings, or have an unusual layout, several units can be easily combined," says Ulrich Stolz, head of Technical Engineering at Keller Lufttechnik.

## **The appropriate solution for every room**

Considering the dangerous nature of the virus, the Institute of Fluid Mechanics and Aerodynamics at the University of the German Armed



The AmbiCube is a compact, flexibly suitable room air purifier. It is equipped with two HEPA filter levels and removes 99.995 percent of all harmful particulate from the air.

Forces in Munich suggests an air exchange rate between four and eight. "This means that the entire air volume inside the room is filtered four to eight times per hour," explains Ulrich Stolz. "As specialists for clean air, we provide our customers with professional advice and can suggest the most appropriate unit or combination of units for their conditions." >

The most suitable unit for every site: That's why the AmbiCube has also launched spin-off products. These include the large AmbiTower, designed for production plants, which has long been included in the company product range and is currently generating high sales volumes, as well as the new AmbiWall.

#### **New: AmbiWall filters fine dust and viruses**

"The initial focus in the development of the AmbiWall was to meet the challenge of particulate matter inside public spaces," reveals Ulrich Stolz. "For outdoors, the particulate matter limit values are up to 25 times lower than the occupational exposure limits inside industrial plants. Consequently, from our point of view, there was an urgent need for take immediate action. Before now, we had no premonition of how soon our newly refined product line would become relevant for the current situation indoors. One must realize that viruses are particles comparable to particulate matter. Whatever removes particulate also filters out pathogens such as bacteria and viruses. That is why the AmbiWall is our primary anti-virus weapon at the moment."

#### **AmbiWall, the all-purpose product**

As the name implies, the AmbiWall is configured like a wall. A 60 centimeter wide base provides a secure stand. The unit pulls in polluted room air from above, filters it through two KLR filters (KLR = Keller Long Run) and an H14 filter, and then releases it back into the room at the bottom of the unit. The air flow is between 800 and 1,200 cubic meters per hour and is infinitely variable.

The AmbiWall is an all-purpose product. Noise-insulated, it is perfectly suited to serve as a partition wall between work areas. Its housing surface can be used to display information and communications and, depending on specific needs, users can attach screens, display cases, tool holders or bulletin boards. Similar to the AmbiCube, the AmbiWall is on casters, so that it can be easily repositioned when the room layout changes. "These two new Ambi products are intuitive to use and designed as plug-and-play solutions," says Ulrich Stolz. >



The AmbiWall is an all-purpose unit: With an air flow of 1,000 cubic meters per hour, the AmbiWall reliably purifies air inside large spaces of harmful particulate matter.

Solutions developed by Keller Lufttechnik enable companies to not only purify indoor air inside manufacturing and production plants, but also offer effective solutions for offices, conference rooms, cafeterias and halls of any size with AmbiCube, AmbiWall and AmbiTower.



### Solutions for production plants

As stated in our slogan, Keller Lufttechnik has been setting "standards for clean air" for over 100 years. The main focus of the family-run company is on extraction systems for industry. "However, it is not always possible to capture and extract air-polluting particles directly at their source," explains Ulrich Stolz. "The larger AmbiTower and the new AmbiWall offer complementary solutions for collecting all particulate that has escaped into the surrounding air despite the presence of an equipment extraction system. They simultaneously filter out fine dust, viruses, bacteria, spores, pollen and fungi. This safeguards the health of employees beyond the spread of the Corona virus."

### Suitable for all spaces - from the largest plant to the smallest office

Solutions developed by Keller Lufttechnik enable companies to not only purify ambient air in manufacturing and production plants, but also provide effective solutions for offices, conference rooms, cafeterias and halls of any size with AmbiCube, AmbiWall and AmbiTower. "This is what we offer to our customers: a comprehensive solution from a single manufacturer, with a single contact person, and the benefit of sound advice and reliable service for multiple applications," stresses Ulrich Stolz. <



Designed for manufacturing plants, the AmbiTower collects all particulate matter that has escaped into the factory air despite the presence of an equipment extraction system. It simultaneously filters out fine dust, viruses, bacteria, spores, pollen and fungi. This unit safeguards the health of the employees beyond the spread of the Corona virus.



### Important Note: Comply with the rules of hygiene regardless of air filtration methods

It is important for users of air purification devices to be aware that, notwithstanding these systems, they should adhere to the currently applicable Corona personal protection rules of hygiene (mouth-nose covering, keeping one's distance, and washing hands). While our devices do indeed purify the air inside work spaces and reduce the overall viral load, if someone releases viruses while speaking, shouting, singing, etc., others can be exposed to the viruses even before the device has detected the contaminants and filtered them from the air.

### Our Ambi product family: Figures, data, facts

	<b>AmbiCube</b>	<b>AmbiWall</b>	<b>AmbiTower (2 sizes)</b>
<b>Air flow (m³/h)</b>	Infinitely variable: 0 to 1.000	Infinitely variable: 1.000	10.000 and 15.000
<b>Power (kW)</b>	0,5	1,5	7,5 and 11
<b>First filter stage</b>	ePM1 65 % according to ISO 16890 (formerly known as F7)	2 x KLR 1500/18	6 x IFA dust class M
<b>Second filter stage</b>	H14 according to EN 1822	H13 or H14 according to EN 1822	H13 or H14 according to EN 1822
<b>Voltage (V/Hz)</b>	230/50	400/50	400/50
<b>Casters</b>	Standard	Standard	no
<b>Dimensions (LxWxH, cm)</b>	61 x 61 x 106	167 x 60 (75) x 219,5	230 x 125 x 340 (370)