

The **Virus Cleaner VC 60 air purifier** for protection against viruses, bacteria, pollen and other germs



## Virus Cleaner VC 60 air purifier

ACTIVE  
PROTECTION

HEALTHY  
ROOM  
CLIMATE

EFFECTIVENESS  
CONFIRMED BY  
**INDEPENDENT  
INSTITUTIONS**

**99.99%**

FEWER VIRUSES,  
BACTERIA, POLLEN  
AND OTHER  
GERMS

LOW  
OPERATING  
COSTS

### Health and well-being

Sustainable reliability through cleaner air

Recent studies and investigations show that professional, high-quality air purifiers, equipped with efficient and verified filtration principles, significantly reduce the risk of infection. Thanks to its unique combination of a highly efficient, electrostatic main filter and additional HEPA filter, the **Virus Cleaner VC 60** actively protects against viruses, bacteria, pollen and other germs. Contamination of indoor air is reduced by at least 99.99%, and the risk of infection is minimized significantly. The Virus Cleaner VC 60 air purifier serves as an additional protection measure against COVID-19 and supports the established infection prevention measures, such as face masks and social distancing rules, by actively filtering indoor air.



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## Active protection against harmful particles

Protective masks, such as those which cover the mouth and nose, mainly protect against infection transmitted through droplets. Infection from contaminated aerosols, which accumulate in the room over time, cannot be prevented with distancing rules and protective masks. Virus-laden droplets and aerosols are considered the main carriers of coronavirus. Larger droplets fall to the ground at a distance of approximately 1.5 meters. However, tiny aerosol particles remain airborne for many hours because they are so small and light. A crucial factor in the risk of contagion is how long virus-laden aerosols remain in the indoor air.

It is possible to significantly reduce the concentration of aerosol in the room either by leaving windows permanently open, or by using air purifier technology. Solely using windows for ventilation, however, has the following disadvantages: First, the size of the room and the position of the windows often is not efficient enough. Second, having the windows open at colder times of the year wastes a lot of energy and increases heating costs.

The **Virus Cleaner VC 60** air purifier from LTA Lufttechnik GmbH solves these issues, consistently filtering out virus-laden aerosols with a diameter of down to  $0.01\text{ }\mu\text{m}$ . A uniform flow pattern is created by extracting the air at ground level. The indoor air from more distant areas is also effectively extracted and filtered. The filter blows the cleaned air vertically out at ceiling level and distributes the cleaned air to the entire room.



*Actively protects by  
significantly reducing  
the risk of infection*

**99.99%** fewer viruses, bacteria, pollen and other germs

Active protection against harmful particles  
Cleaner air thanks to an efficient filter system  
Healthy room climate through air purification

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# Cleaner air

## thanks to an efficient filter system

Thanks to its unique combination of a highly efficient, electrostatic main filter and additional HEPA filter, the **Virus Cleaner VC 60** actively protects against viruses, bacteria, pollen and other germs. Contamination of indoor air is reduced by at least 99.99%. In addition, the filtered air and the filter elements are disinfected by the ozone in the filter. When using the filter system, the risk of infection drops to virtually zero, and a substantial improvement in the air quality is clearly noticeable.

The electrostatic filtration principle, combined with the particle filter, ensures thorough cleaning of the indoor air and efficient filtration of aerosols such as dust or smoke. The mobile design makes the Virus Cleaner VC 60 air purifier highly flexible. This allows it to be used anywhere that additional protection is needed. Examples include production facilities, kitchens or reception areas – anywhere distancing rules are impossible to implement consistently, or areas that cannot be ventilated sufficiently.

Independent institutes\* have verified a collection efficiency of at least 99.99% with respect to very fine aerosols, and certify that the Virus Cleaner VC 60 air purifier is capable of completely inactivating or eliminating viruses (such as coronaviruses) in the air – the cleaned air is sterilized once it leaves the air purifier. The ozone in the filter, which continuously disinfects the filter elements, is demonstrably never released into the atmosphere. The air filter reliably meets all applicable requirements from industry and authorities, without compromise, and is designed to remove microorganisms and biogenic substances. The electrostatic filter elements are easy to clean, making them extremely sustainable.

\* ILK Dresden (Institute of Air Handling and Refrigeration) in cooperation with the Faculty of Veterinary Medicine at Leipzig University



*Active protection thanks  
to efficient and verified  
filtration principles*



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## Healthy room climate through air purification

The **Virus Cleaner VC 60** air purifier from LTA is used to significantly reduce the concentration of viruses, bacteria, pollen and other germs in the air. The highly efficient electrostatic filter system captures the pathogens and reduces unpleasant odors, while boasting a disinfecting effect. In combination with the additional HEPA filter, the air filter achieves a collection efficiency of at least 99.99%. The virus concentration, particularly in enclosed spaces, is reduced significantly, limiting the possible risk of infection. The result is a pleasant and healthy room climate, which also leaves the air free from any unpleasant odors.

The Virus Cleaner VC 60 electrostatic air purifier is ideal for efficiently filtering harmful substances from the room air in highly frequented areas such as production sites, meeting rooms, cafeterias, fitness studios or open-plan offices. The large filter surface area and the combined filtration process make the air purifier a reliable and substantial protective shield which significantly lowers the viral load.

Simple to maintain and quick to install, it guarantees a long service life and durable performance. The air purifier only needs a 230 V power outlet, is highly energy-efficient, and the ventilation power can be adjusted without the need for tools. The mobile design provides flexibility, allowing it to be used anywhere that additional protection is required.



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## Examples of the use of the Virus Cleaner VC 60 air purifier

Fitness studios



Open-plan offices



Kiosks/stores



Restaurants



Medical offices



Schools

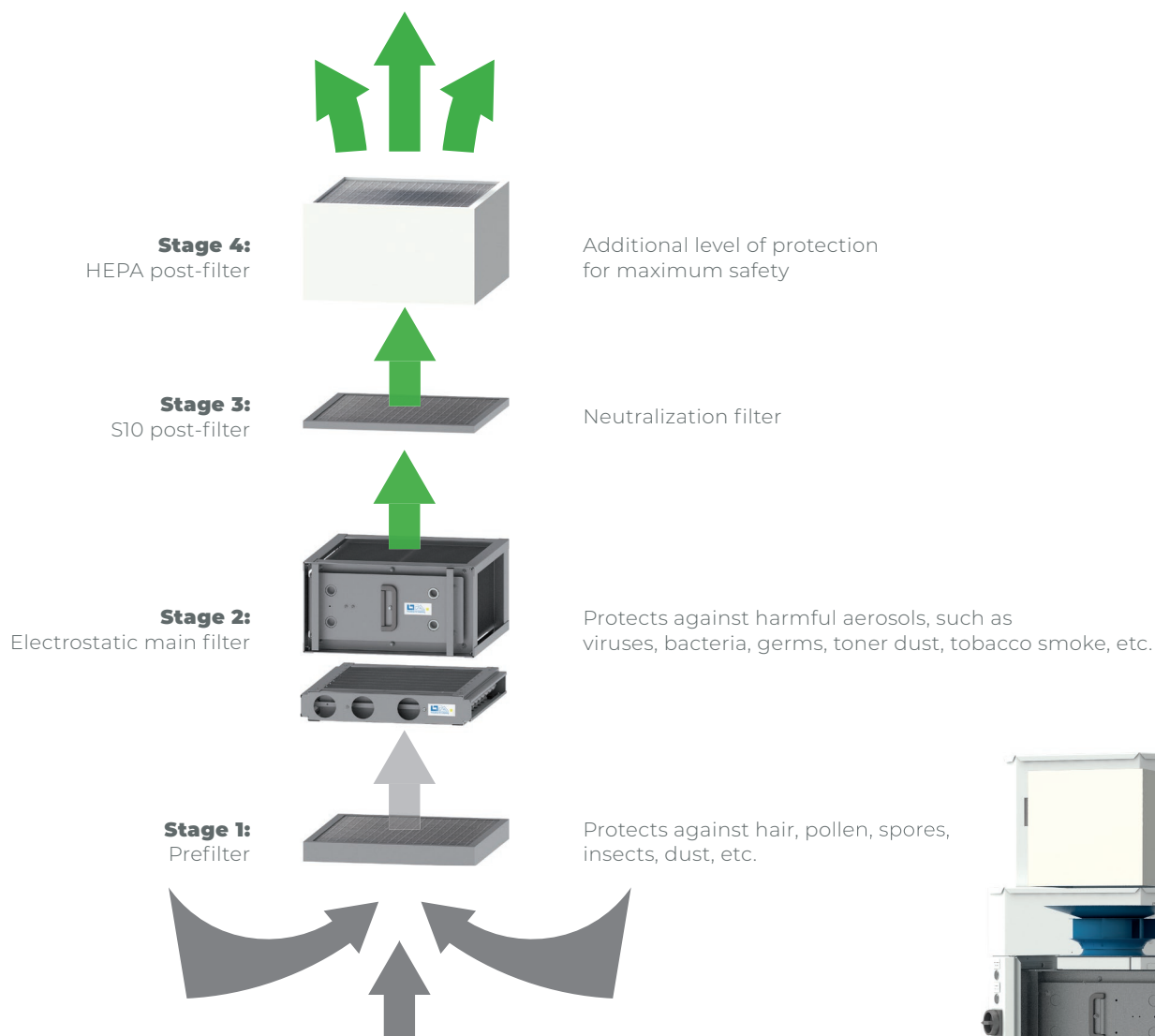


Bars



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## Four-stage operating principle behind the Virus Cleaner VC 60 air purifier



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## Technical data

### for the Virus Cleaner VC 60 air purifier

Extraction capacity	600 m <sup>3</sup> /h
Collection efficiency	≥99.99% <i>Results verified by experts</i>
Air change rate	up to 12 times per hour
Room size	up to 125 m <sup>2</sup> or 300 m <sup>3</sup> <i>Recommendation dependent on occupation frequency</i>
Sound level	approx. 40 dB(a) <i>during standard operation</i>
Energy consumption	approx. 120 Watt
Color	various colors available <i>Special editions available on request</i>
Dimensions	500 x 500 x 1700 mm <i>W x D x H</i>
Electrical connection	220–240 V (110 V) <i>Plug and play</i>
Warranty	24 months <i>from delivery</i>
Weight	approx. 70 kg <i>empty approx. 70 kg/total approx. 90 kg</i>





## **Virus Cleaner VC 60 air purifier**

Active protection for your health

