

Professional carbon & HEPA 14 virus filtration for offices, classrooms, medical practices and living spaces.



Application / room size

| Virus filtration SARS-CoV-2 | | H13 | H14 |
|---|----------------------------|--|--|
| 6 air changes suitable for rooms sized up to | maximum | 45 m ² / 112 m ³ | 40 m ² / 100 m ³ |
| | Recommendation by Trotec*1 | 28 m ² / 70 m ³ | 23 m ² / 58 m ³ |
| 10 air changes suitable for rooms sized up to | maximum | 27 m ² / 67 m ³ | 24 m ² / 60 m ³ |
| | Recommendation by Trotec*1 | 17 m ² / 43 m ³ | 14 m ² / 35 m ³ |

CADR values

| | | |
|---------------------------------------|----------------------------|--|
| Fine dust, pollen, animal hair (CADR) | maximum | 78 m ² / 195 m ³ |
| | Recommendation by Trotec*1 | 50 m ² / 125 m ³ |

Technical data

| | | | |
|------------------------------------|---------------|-----------------------|-----------------------|
| Article number | | 1.580.001.100 | |
| Pre-filter | ISO ePM10 85% | F7 | |
| Filter efficiency | HEPA EN 1822 | H14 | |
| Air flow rate | HEPA filter | H13 | H14 |
| | | Fan stage 1 | 45 m ³ /h |
| | Fan stage 2 | 150 m ³ /h | 115 m ³ /h |
| | Fan stage 3 | 285 m ³ /h | 230 m ³ /h |
| | Fan stage 4 | 420 m ³ /h | 355 m ³ /h |
| | Fan stage 5 | 550 m ³ /h | 475 m ³ /h |
| | Turbo mode | 650 m ³ /h | 600 m ³ /h |
| Input voltage | | 230 V / 50 Hz | |
| Power consumption | | 170 W | |
| Electric connection | Plug type | CEE 7/17 | |
| | Cable length | 1.5 m | |
| Sound level (distance 1 m) [dB(A)] | | 32–57 dB(A) | |
| Length | | 435 mm | |
| Width | | 400 mm | |
| Height | | 835 mm | |
| Weight | | 16.9 kg | |

Room sizes

*1 Usually, the maximum value is advertised as the "recommended room size". In order to achieve a good combination of air pollution control and background noise, the room sizes we recommend are based on a sound level of approx. 46 dB(A).

Standard equipment / features

- Professional virus filtration in offices, medical practices and living spaces.
- Removes 99.995% of all airborne viruses, bacteria and fine dust particles
- Winner in air cleaner comparison test – University of the German Armed Forces in Munich
- Durable and low-maintenance
- Extremely long filter lifetime
- Air quality indication (VOC and PM2.5) with automatic mode
- Temperature and humidity indication
- Automatic output control through sensor-supported air quality monitoring (not recommended for virus filtration mode)
- Multi-stage HEPA filter system certified according to EN 1822

- The filters are certified "Made in Germany" and the HEPA filters are tested individually
- Omnidirectional clean air distribution with 360° working radius
- Optional elimination of unpleasant odours
- Made in Germany

Equipment and functions

| | |
|---|-------|
| Fan stages | 6 |
| Turbo mode | ■ |
| Digital display | ■ |
| Ionizer / plasma generator | – / – |
| Filter change indication | ■ |
| Air quality sensor (VOC) | ■ |
| Particle sensor PM2.5 | ■ |
| Air quality display | ■ |
| Air quality history 24 h / 14 days | ■ |
| Temperature / humidity indication | ■ / ■ |
| Automatic operation (not recommended for virus filtration mode) | ■ |
| Timer function | ■ |
| Memory function | – |
| Night mode | ■ |
| Child lock | – |
| Infrared remote control | ■ |

Accessories

| | |
|---|---------------|
| Pre-filter mat*2 | 7.700.000.005 |
| pre-filter F7 (ISO ePM10 85%)*2 | 7.710.000.011 |
| Activated carbon filter (odour neutraliser)*2 | 7.710.000.012 |
| HEPA filter H13 (EN 1822)*2 | 7.710.000.015 |
| HEPA filter H14 (EN 1822, virus filter)*2 | 7.710.000.013 |
| Silencer*2 | 7.710.000.017 |

Scope of delivery

Air cleaner, prefilter mat, prefilter F7, HEPA H14 filter, silencer

Automatic mode and virus filtration

Aerosols, particles and CO₂ values tell you nothing about the risk of infection by airborne viruses! Even if advertising sometimes claims the opposite. Therefore, do not use the automatic mode if the device is used for virus filtration. The integrated sensors only respond to air pollution caused by fine particulates, pollen or VOC. The device cannot determine the virus load inside the room. It is possible that the automatic mode indicates a "good" air quality even though the virus load in the room is very high. For this reason we recommend using the fan stage requested by the respective specifications with regard to the circulation rate (air volume) when the device is used for virus filtration in order to reduce the risk of indirect infections.

*2 Made in Germany