



Filtration Group®  
Industrial

# SILENT AND EFFECTIVE

EFFECTIVE ROOM AIR FILTRATION OF VIRUSES, BACTERIA, POLLUTANTS AND FINE PARTICLES

SilentCare



## CUSTOMER BENEFITS

- Extremely quiet and draught-free operation (43 db(A))
- Fast and effective removal of airborne pollutants such as viruses, bacteria and pollen
- H14 HEPA-Filter class filter according to EN1822 H14 (filters at least 99.995 % of the pollutant particles in the range 0.1  $\mu\text{m}$  - 0.3  $\mu\text{m}$ )
- Compact and modular design
- Multi-stage operation enables individual adaption to the environmental situation

## APPLICATION AREAS

- Areas with high levels of footfall
- Office building
- Meeting rooms
- Residential buildings
- Schools, universities, day care centers



SilentCare



## ELIMINATES AT LEAST 99.995 % AIRBORNE POLLUTANTS

### Clean air on everyone's lips

Clean air free of viruses, bacteria and other pollutants significantly improves our health. In rooms with a high number of people, the level of airborne pollutants can rise rapidly and thus increases significantly the risk of infections. As the level of fresh air cannot be guaranteed to the optimum level, SilentCare is the perfect solution. It filters air effectively, recycling the total volume of the room multiple times per hour to an extremely high efficiency ensuring ambient pollutant levels are minimised. Above all it operates very quietly. The noise level of SilentCare is well below the average noise level of an office (50 - 60 dB(A)) and guarantees trouble-free operation.

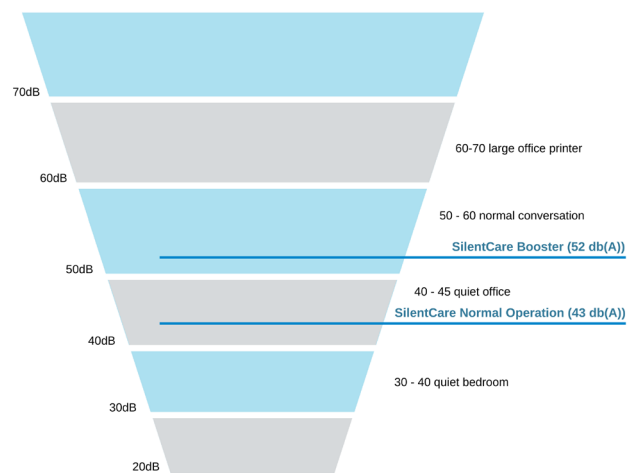
### Properties SilentCare

- High efficiency with low power consumption
- Compact design with wheels for mobile use
- Low pressure drop and quiet operation (43 db(A) with optimal air circulation)
- 360 degree air circulation and cleaning
- Suitable for rooms up to approx. 45 m<sup>2</sup> (max. 70 m<sup>2</sup><sup>(1)</sup>) with 5-fold exchange<sup>(2)</sup>
- Air flow of 600 m<sup>3</sup>/h +/- 50 m<sup>3</sup>/h (max. 900 m<sup>3</sup>/h +/- 50 m<sup>3</sup>/h<sup>(1)</sup>)
- Filter elements service life: 24 months at 8 hours of operation per day<sup>(3)</sup>
- Voltage 230 V / Leistung 120 W
- Sheet steel housing, powder-coated, grey
- Dimensions: Height approx. 1100 mm, Ø 500 mm
- Weight approx. 30 kg

### Special protection -

#### Filter media with separation class H14

The three-layer filter media, certified according to the European standard EN 1822, ensures efficient filtration of almost all aerosols found in the ambient air of closed rooms. Thus, pollutants can be reduced to a minimum. The filtering micro glass fiber layer is embedded between two polyester fleeces. This prevents contact with the filter layer.



Classification of the noise level of SilentCare  
in decibel volume scale



SilentCare

<sup>(1)</sup> max. output (booster mode); <sup>(2)</sup> 5-fold air change per hour (according to current RKI studies, 15 minutes without air purification means increased risk of infection) and a ceiling height of 2.5 m; <sup>(3)</sup> in an office environment

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