

Extraction wall AmbiWall



Standard for clean air

Clean, dust-free air indoors!

AmbiWall is the portable and flexible stand-alone add-on solution to an existing filtration system



The AmbiWall extraction wall is an up-right structure that also serves as a noise, splash and visual barrier, and reliably purifies indoor air of pollutants such as fine dust, viruses, bacteria, pollen and micro-organisms, including corona viruses.

Larger-scale air filtration complements pollutant detection at its source

Clean and fresh air significantly reduces the risk of infection

It is not always possible to collect and extract all air pollutants directly at their point of origin. Additional solutions are required to extract all the particulate that could escape into the ambient air despite a localized extraction system. The AmbiWall from Keller Lufttechnik reliably performs this function. With an air flow

of 1,000 cubic meters per hour, the AmbiWall safely purifies the circulating air of pollutants such as fine dust, viruses, bacteria, spores, pollen and fungi. This unit will continue to effectively safeguard employee health beyond the current pandemic.

The AmbiWall is on casters, so that it can be easily repositioned when the room layout changes. The device is intuitively usable and designed as a flexible plug-and-play solution.

Operation



The AmbiWall pulls in polluted indoor air from overhead, filters it through two reusable KLR-bran filter elements (Keller Long Run with surface membrane), and releases cleaned air at the bottom. As an additional option, a HEPA filter H13 or H14 according to EN 1822 for capturing ultra-fine pollutants can be installed inside the air outlet.



The integrated filters trap 99.99 % (99.995 % with H14) of all particles in the air. This applies to particles measuring between 0.1 and 0.3 microns.

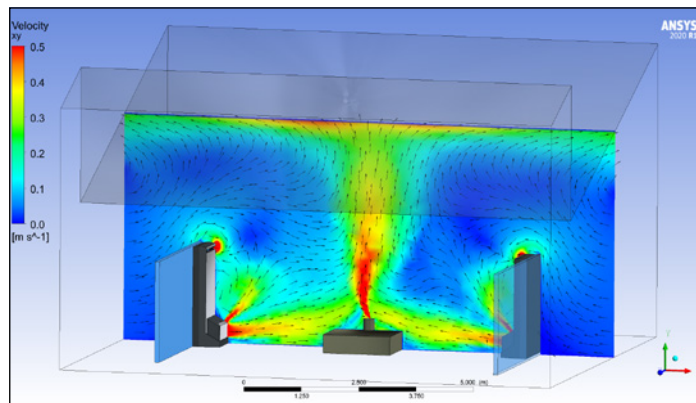
Advantages

- **High performance:** Up to 99,995 percent separation efficiency for particles measuring from 0,1 - 0,3 μm with optional H13- or H14-after filter levels, according to EN 1822
- **Energy efficient:** EC motor drive technology
- **Solid and durable** industrial design
- **Easy to use:** Plug-and-play. Casters allow fast repositioning and exact alignment.
- **Operation is intuitive:** Its performance is automatically regulated depending on the filter load and is monitored with an LED status display. A forklift attachment is available as an option for easy transport over longer distances.
- **Multifunctional:** Versatile use as a partition, noise insulator, tool holder, information display, etc.
- **Economical and environmentally sound:** Main filter elements (KLR bran) are reusable after cleaning
- **The optimal solution for every room:** In combination with other products in the Ambi family, it provides flexible adaptability to local requirements and conditions

Deliver purified air to the work area



Take into consideration the air flow



With an automatically regulated air flow of 1,000 cubic meters per hour, the AmbiWall ensures clean air inside a workplace measuring up to approx. 70 m² (e.g. 8 x 8m).

The installation of several units prevents "dead corners" and allows optimal air flow throughout the room. A series connection of several units is also feasible.

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.

The AmbiWall is an all-purpose unit

The noise-insulated AmbiWall is perfectly suited as a partition between work areas. The housing surface can serve as an information and communication display area and, depending

on specific needs, users can attach screens, display cases, tool holders or bulletin boards.

Stable design especially suited for manual workstations inside production areas.



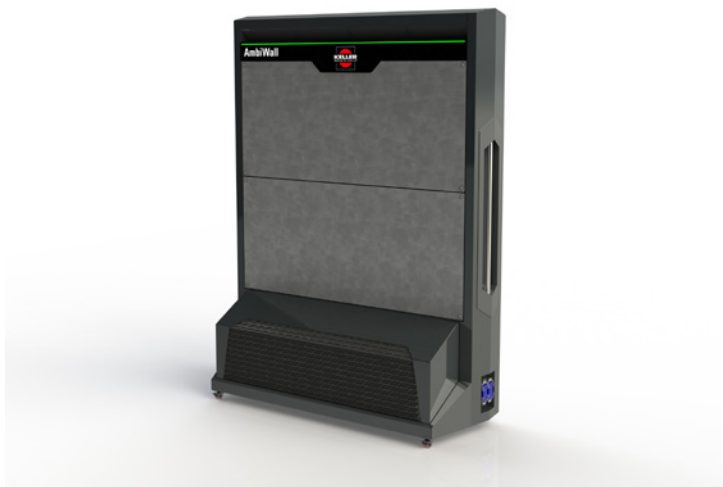
The AmbiWall is solid and cannot be opened without the use of tools. Its stable and unbreakable industrial

design is suitable for use at manual workstations in welding or grinding operations.

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Technical data



		AmbiWall
Operating air flow ¹	m³/h	1.000
Motor	kW / V / Hz	1,5 / 400 / 50
1st filter stage		2 x KLR-bran
2nd filter stage ² (optional)		H13 or H14
3rd filter stage		Activated carbon (clean air side)
Noise pressure level ³	dB(A)	65
Dimensions ⁴	mm	1670 x 600 (750) x 2195
Weight ⁴	kg	250 - 300
Exchange interval of the filters ⁵	month	6 - 12

¹ automatic air flow control

² H14 tested according to EN 1822

³ at a 1 m distance

⁴ depending on equipment

⁵ changing interval depends on the particle load

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