

AirBubbl

Helping protect drivers from
virus transmission

The AirBubbl provides an additional layer of protection in your vehicles, removing harmful particulates, pollutants and gases and creating a cleaner, safer environment.

airlabs
breathe easy

Clean Air Matters

Airborne viruses are known to remain suspended and alive in the air for hours, allowing transmission even after the departure of the source. Air filtration provides an extra layer of protection in critical environments by removing airborne viruses and contaminated particulate matter that are known pathways of virus transmission.

The AirBubbl by AirLabs is a retrofit, in-vehicle air filtration unit designed to provide clean air to vehicle occupants, free of particles and toxic gases. The key pollutants removed include gaseous pollutants such as Nitrogen Dioxide (NO₂), Ozone and Volatile Organic Compounds (VOCs). It also removes particulates such as dust, pollen, soot, fibres, PM_{2.5} and PM₁₀, along with bacteria and viruses.

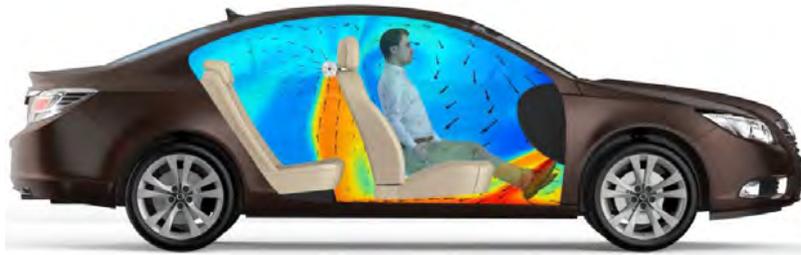
The AirBubbl produces more clean air and removes more pollutant types, for its size, than any other product on the market



High Clean Air Delivery Rate (CADR)

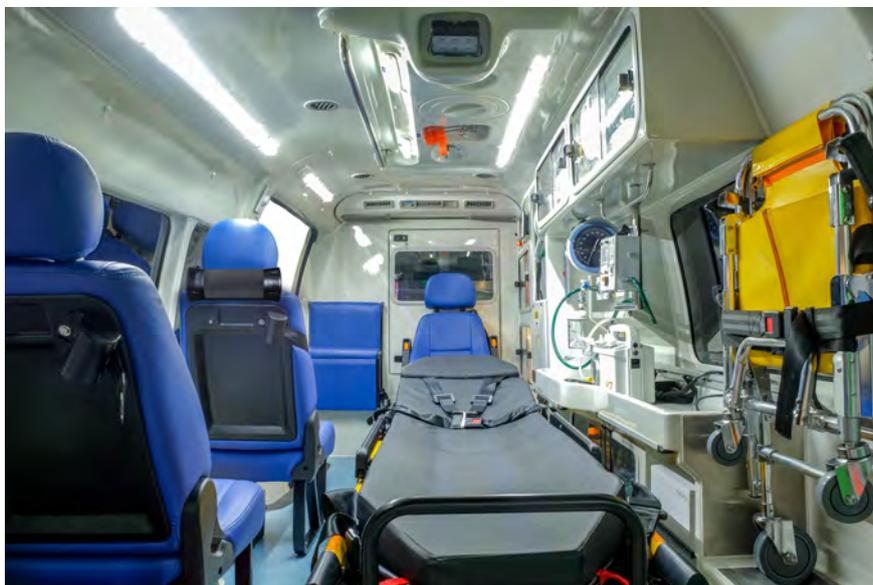
The key to maintaining safe and healthy air in a vehicle is the number of air exchanges per hour. With a CADR of 30 m³/h, the AirBubbl can clean the air in a standard vehicle interior (3 m³) very quickly and several times an hour.

The AirBubbl removes more than 95% of all particles less than 5 µm on a single pass through its filter. With a single person exhaling 500 litres of potentially contaminated air every hour and the AirBubbl filtering and cleaning over 30,000 litres of air every hour, the airborne virus load in the vehicle is significantly reduced and as a result so is the risk of exposure.



How the AirBubbl adds protection

1. To clean the air within an enclosed space during the time between occupation by different groups of people.
2. To reduce the levels of airborne SARS-CoV-2 within a vehicle cabin while it is occupied to help protect drivers and passengers



Key Features

Nano Carbon Filter

The unique activated nano carbon filter removes up to 95% of nitrogen dioxide and other gaseous pollutants effectively — the only type of filter that can absorb the harmful gases and keep them locked away.

Effectively removes up to 95% of gaseous pollutants, such as nitrogen dioxide (NO₂), within 10 minutes.

High Grade Particle Filter

The high-grade particle filter removes particulate matter efficiently. This includes dust, pollen, soot, fibres, PM2.5 and PM10.

Viruses and bacteria are very efficiently removed by the AirBubbl, as the capabilities of the particle filter extends to the very finest particles.

Powerful Dual Fan

Vehicle occupants breathe cleaned air faster with the AirBubbl due to its patented airflow design.

The AirBubbl is the only product on the market that not only cleans polluted air but also delivers the cleaned air directly back to the driver and passengers through patented airflow design.

Mobile Application

iOS and Android app featuring remote control and air flow management statistics. Users can collect achievement badges reflecting the quantity of air cleaned in the vehicle.

Patented Airflow Design

The powerful dual fan design delivers clean air directly back to the driver and passengers.



How it works

The patented filter in the Airbubbl removes both particulate matter (PM) and gases. With regards to PM, the AirBubbl is effective across a vast spectrum of particle sizes, ranging from larger specks of dust which can be seen suspended in the air down to the smallest microscopic nanoparticles.

This is achieved through a high grade F8 particulate filter and includes particulates such as pollen, soot, mould spores, dust, non-exhaust traffic emissions, as well as many more. This includes the often referred to classifications PM 2.5 and PM 10 . As well as this, the AirBubbl also implements an advanced nanocarbon filtration phase, effectively removing all of the following gases: Nitrogen Dioxide, Sulphur Dioxide, Ozone, Benzene, Toluene, Ethylbenzene, Xylene.



The AirBubbl filters the air you breathe, removing harmful particulates and pollutants and creating a cleaner, safer environment.

Operation

The AirBubbl is a plug and play product that requires no changes to the vehicle's ventilation system or interior configuration. In a standard configuration (attachment to a seat headrest) it is installed easily within minutes and for non-standard installations there are multiple mounting options that can be easily deployed.

The AirBubbl is powered via a 2.1 A USB port by using a 12V socket (cigarette lighter), 3 Pin adaptor or power bank, and is highly intuitive to operate. Air is drawn into the AirBubbl, cleaned, and then specifically directed to where the vehicle occupants will be breathing. The design of the AirBubbl ensures that the clean air efficiently reaches all passengers inside the vehicle

The filter element is completely user serviceable and takes a matter of minutes to replace. They typically last for 1000 hours of use.

Features	AirBubbl
NO ₂ removal	
Optimised air delivery	
PM removal (includes pet hair, dust, pollen and bacteria)	
Intuitive app featuring dual speed control	
VOC, odour removal	
Portability	
Filter change indicator	
Warranty on electronic components (for manufacturing defects)	2 years

Technical Specification	
Filter type	High grade particle filter Nano carbon filter
Filter lifetime	1000 hours
Filter replacement indicator	Yes
Airflow	30 m ³ /h
Noise level	44 - 48 dBA
Voltage input	240 V @ 50/60 Hz
Dimensions H x W	310 x 120 mm
Weight	0.8 kg
Certificates	CE certified FCC certified KCC certified NCAP crash test certified