

A man with a grey beard and mustache, wearing a red and blue plaid shirt, is driving a vehicle. He is looking forward with a slight smile. The interior of the vehicle is visible, including the steering wheel and dashboard. The background is blurred, suggesting motion.

# Protect your drivers behind the wheel

AIR POLLUTION CAN BE UP TO 10 TIMES  
HIGHER INSIDE VEHICLES THAN IT IS OUTSIDE

**RENSAIR**

[airbubbl.com](http://airbubbl.com)

Exhaust fumes and air pollution take a massive toll on the health of professional drivers<sup>1</sup>.

In a typical working year, it's the equivalent of passively smoking 980 cigarettes<sup>2</sup>. We all know the dangers of passive smoking, so why wouldn't you protect your drivers against deadly road pollution?



## AIRBORNE VIRUSES, INCLUDING COVID-19 ARE NOT GOING AWAY

Open a window and wear a mask, they say. Or 'zap' the air with UVC, ionisers and other unproven and potentially harmful technologies. In fact, opening a window can add to the problem. By increasing air turbulence, pathogens are carried into the driver's breathing zone.

Yes, you're ticking the boxes, but air pollution is an invisible killer. And anxiety is also infectious as we try to get back to work. You could be doing more. When driver shortages and retention are real issues for transportation providers, it's never been a more important time to reassure your team.

## HOW AIR POLLUTION AFFECTS YOUR DRIVERS

In recent years, the world has grown increasingly aware of the impact of poor air quality on our health and wellbeing.

Just a few hours a day could expose your drivers to constant air pollution, as well as short-term spikes. Toxic gases and microscopic particles enter vehicles through

Air pollution has become the world's single biggest environmental health risk.

WORLD HEALTH ORGANISATION

their ventilation systems, or straight in from open windows. These deadly particles get into every organ in the body and contribute to:

## LONG TERM EFFECTS FOR DRIVERS

- Sudden heart attack, ischaemic heart disease and stroke<sup>3</sup>
- Asthma attacks and chronic lung disease<sup>4</sup>
- Depression and anxiety<sup>5</sup>
- Cancer
- Alzheimer's disease and dementia<sup>6</sup>
- Fatigue
- Headaches and migraines
- Reduced cognitive performance and focus at the wheel<sup>7</sup>



LUNG DISEASE



HEART DISEASE



TRANSMISSION RISK



REDUCED PERFORMANCE



ACCIDENT RISK INCREASE



LOWERED IMMUNITY

# Independently tested and verified to filter out more than 99% of airborne particle and gas pollutants, pathogens and allergens

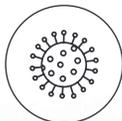
AirBubbl uses an advanced HEPA filter combined with nano-carbon technology to deliver an effective and high clean air delivery rate.

## airbubbl®



### 99%+ air pollution removal

Tested and verified to filter more than 99% of toxic gases, particles and particulate allergens.



### 99%+ pathogen and allergy removal

Independently tested and verified by the Institut Pasteur on live airborne human coronavirus.



### Exceptional clean air delivery rate

Generates 38,000 litres of clean air per hour, refreshing the air in an average school bus every six minutes.



### Low running cost

Requires no maintenance other than scheduled filter replacements.



Whether you choose single air filtration units to protect each of your drivers, or a complete clean air space for your passengers, it's safe and easy to install.

Our step-by-step installation guide is available to help your mechanics/service technicians, or we can arrange an approved independent contractor.

## THE BENEFITS OF CLEAN AIR TO YOUR BUSINESS

The impact of sick days disrupts timetables, damages your business reputation, and affects your bottom line. Your drivers are highly trained, monitored and take regular breaks. Take that extra step for their safety. Clean air improves concentration at the wheel and reduces the risk of accidents.



## MEDICAL GRADE AIR FILTRATION AND AIR FLOW ENGINEERING



## THE NUMBERS SPEAK FOR THEMSELVES

**A driver exhales about 0.4 cubic metres of air every hour.**

Using ground-breaking, triple action technology, a single AirBubbl delivers 38 cubic metres of clean air every hour. A non-stop shield against pollution and pathogens that also keeps drivers alert and focused on the road ahead.

- Covid transmission still remains
- 99%+ pathogen and allergy removal
- Air pollution is impacting student and driver performance and health
- 99%+ air pollution removal
- 8% increase in performance
- 3.2 reduction in sick days
- 5% fewer road accidents
- Exceptional performance
- Independently tested
- Designed by the lead IAQ scientist at Copenhagen University
- 5 star reviews



**FIRST CLASS PRODUCT, 5-STAR RATING**



### **WHY WOULDN'T YOU DEPLOY IT FOR YOUR EMPLOYEES?**

We pride ourselves on applying innovative thinking and maintaining a culture of excellence for the benefit of all our employees and passengers. AirBubbl technology checks all these boxes to the point where you ask yourself, 'Why wouldn't you deploy it for your employees?'

**WAYNE YORK**

Transit Manager,  
Turlock Transit

### **HEALTHY DRIVERS MEAN HEALTHY PASSENGERS**

Throughout the pandemic, Plymouth Metrolink has implemented a range of safety measures across the system to keep rider safety at the forefront. Metrolink safety measures include installing additional cabin air filtration (AirBubbl devices) in the driver section of all of our buses – healthy drivers mean healthy passengers.

**NUR KASIN**

Transit Administrator,  
City of Plymouth, Minnesota

### **GLOBAL AIR QUALITY EXPERTISE**

For decades, science and research have been the foundations of the Rensair business. From our dedicated lab in Copenhagen, and operations around the world, our blend of academic excellence and cutting-edge design is unique in the air filtration sector.

**Our solutions help to improve the quality of air – and of life – for millions of people worldwide.**

- 1 "Taxi drivers face highest level of black carbon exposure." 29 Sep. 2019
- 2 "In-car pollution equal to passively smoking 980 cigarettes."
- 3 "Spikes in air pollution cause 124 extra heart attacks per day" – Science Focus 21 Oct 2019.
- 4 "Air Pollution and Noncommunicable Diseases ... - CHEST Journal." 9 Nov. 2018
- 5 "Association between neighbourhood air pollution ... - BMJ Open."

- 6 "Air pollution linked to much greater risk of dementia - The Guardian."
- 7 "Estimating the effect of air pollution on road safety using ..." 3 Oct. 2016
- 8 "Anett C. Hansen and Harald K. Selte Air Pollution and Sick ... - SSB."
- 9 "The toxic killers in our air too small to see - BBC Future." 13 Nov. 2019
- 10 "Economic, Environmental and Health Implications of ... - PubMed." 18 Nov. 2015



## TECHNICAL SPECIFICATIONS

Advanced car air purifier combining particle and gas filtration, along with patented airflow technology.

### FILTER SPECIFICATIONS

<b>Gases:</b>	<b>Particulates:</b>
Nitrogen Dioxide (NO <sub>2</sub> )	PM2.5, PM10
Sulphur Dioxide	Dust and dander
Ozone	Pollen
Benzene	Tobacco smoke
Toluene	Soot
Ethylbenzene	Bacteria
Xylene	

Filter lifetime: 1,000 hours

Filter replacement indicator: Yes

Airflow: 38 cubic metres per hour

Speed settings: 2 settings, Normal or Boost modes

Colour: Space grey, brushed aluminium, grey fabric cover.

Size: 31cm x 12cm

Weight: 0.8kg

Noise level: 44 dBA in Normal mode, 48 dBA in Boost mode

### AIRBUBBL HAS BEEN TESTED TO THE FOLLOWING STANDARDS

CE Tested and conformed to following standards:

Electromagnetic Compatibility

EN 301 489-1 V2.2.0

EN 50498

EN 55014

### HEALTH & SAFETY

EN 62479

EN 60950

EN 60335

EN 60335-2-65

### ENVIRONMENTAL

Registered with the US Environmental Protection Agency.

Certified compliant with California zero ozone emissions limits and is CARB certified for sale in the state of California.

### EFFICACY

Certified by the Institute for Energy and Environmental Technology (IUTA) to remove more than 99% of gases and particles.

### FCC

FCC identification number: 2AQ2U-AB1-1

Tested and conformed to following standards:

Radio emissions: V2 1.1

FCC Rules and Regulations Part 15 Subpart C Section 15.249

### CRASH TESTING

Tested with Thatcham Research and conforms to the following standards:

Euro NCAP Whiplash Medium, rear impact

Euro NCAP Whiplash High, rear impact

Euro NCAP Whiplash High, side impact

ST-0791 Seat Integrity Test, front impact

### CARB

Air cleaner regulation AB 2276

Talk to an air purification expert today

- TYPE

[contact@rensair.com](mailto:contact@rensair.com)

- TALK

+44 (0)20 3973 8927

- CLICK

[airbubbl.com](http://airbubbl.com)