



## CUSTOM VEHICLE RANGE

BEAUTY IS ONLY SKIN DEEP,  
IT'S WHAT'S INSIDE THAT COUNTS

PRODUCT: CVX12 // CVX24



**AIRsteril**<sup>®</sup>

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## ODOUR CONTROL ON THE MOVE, LIFTING VEHICLE HYGIENE TO A NEW LEVEL

### MAINTAIN A HEALTHY CLEAN SANITISED VEHICLE

- Prevents cross-contamination between loads
- Lifts hygiene levels
- Extend clean cycle, reducing vehicle off road time
- Removes embarrassing odours by treating the root cause
- Targets bacteria and viruses in the air and on surfaces
- Destroys mould and fungi
- Reduces chemical usage
- Eliminates need for masking agents
- Provides fresh clean air
- Sanitises all exposed surfaces



#### › VEHICLE PROBLEMS

Working vehicles have to cope with a lot, the same vehicle may be used for a variety of loads creating problems with cross contamination. Maintaining an odour free, clean and infection controlled environment can be a constant challenge. With busy schedules and quick turnarounds, time allowed for vehicle cleaning is always tight with deep cleaning requiring vehicle off road.

AIRsteril uses specialist techniques proven target microorganisms. Odour control is equally important, unpleasant odours can easily transfer to loads being transported. AIRsteril products have always been supplied with guaranteed odour control across multiple industries.

- Fan operation distributes air throughout vehicle
- Annual lamp change maintains performance
- Robust vandal resistant Aluminium casing
- Horizontal or vertical mounting
- Vibration absorbing mounting plate
- No filters to change
- Guaranteed odour control
- 12 or 24 volt power options available

#### › ODOUR AND INFECTION CONTROL IN VEHICLES

- > **Laundry** – stop dirty laundry impacting on freshly laundered items
- > **Multi-use** – prevent lingering odours from previous loads
- > **Waste/Recycling** – control unpleasant odours and associated health risks
- > **Medical supply** – maintain sterility levels in transported goods
- > **Food** – maintain sanitised environment to prevent bacteria growth
- > **Professional movers** – meet every client with a clean, fresh vehicle

\*Certain bacteria such as Ecoli can replicate every 20 minutes, which could in theory leave you with 16.7 million in 8 hours, what we are highlighting is that bacteria breed very quickly and cannot be controlled with traditional methods.

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### › SERVICING MADE EASY

Power must be disconnected before attempting any servicing and only undertaken by a competent individual. All AIRsteril partners have fully trained engineers to carry out all servicing work.

The hull always remains permanently in place. Servicing can be carried out at ground level by removal of the internal cartridge.

Lamps must be changed on minimum of annually to maintain performance.

### › HOW OUR VEHICLE SYSTEM WORKS

The single piece Aluminium hull is mounted on an anti-vibration installation plate, this tough exterior allows the very latest AIRsteril technology to stand up to the heavy wear and tear of a working vehicle. Featuring a custom designed internal TiO<sub>2</sub> catalyst baffle plate system surrounding a specialist dual waveband UV lamp, this AIRsteril unit achieves unparalleled results in the reduction of odours, targeting bacteria, viruses, mould and fungi both in the air and on all exposed surfaces. The superior results can be achieved without the need to take the vehicle off the road or any changes to working pattern.

Available as a 12 or 24 volt model dependant on requirements, the unit should be installed to run constantly with a safety cut off connection if the vehicle is not connected to an external power source to prevent draining of the battery.

## ODOUR ELIMINATION GUARANTEED

\*Conditions Apply



## TECHNICAL DETAILS

### Custom Vehicle Range Dimensions

470mm (l) x 140mm (w) x 120mm (d) (175mm wide to edge of mounting plate)

### Power Supply

12V - CVX12, 24V - CVX24 / 18watts - CVX12 // CVX24

### Set Up

Installed on the integral mounting plate at 4 points for stability, access required to either end for servicing and lamp change.

### Construction

Anodised aluminium, solid extrusion.

### Weight

2kg

### Operation

Continuous indicated by blue lamp. Requires annual lamp change and unit clean.



### PHOTO CATALYTIC OXIDIZATION POWERPACK UNIQUE TO AIRSTERIL



#### › OPERATION AND SAFETY

The unique balance of technology used by AIRsteril has been tried, tested and refined over many years to ensure the best achievable results with every unit supplied.

- Due to the unit design UV light cannot escape the unit from any angle meaning it is completely safe.
- Ozone levels used are substantially below the most stringent emissions regulations worldwide.
- Installation should only be performed by a qualified individual.
- 12v or 24v options to ensure correct power supply for vehicle.

## For more information or to book an air quality check call:

#### PHONE NUMBER



**01234 871875**

#### › HOW AIRSTERIL TECHNOLOGY WORKS

A combination of technologies working together:

##### *Internal*

- **Germicidal Irradiation** by dual UV light (Ultraviolet) kills microorganisms (bacteria, viruses and mould) by disrupting their DNA and removing their reproductive capabilities.
- **PCO – Photocatalytic Oxidation.** UV reacts with our Catalyst (TiO<sub>2</sub>) to form highly reactive but short lived oxidising Hydroxyl Radicals (OH) which break down Volatile Organic Compounds (VOCs).
- Interaction of the Dual waveband UV with the TiO<sub>2</sub> heterogeneous catalyst both creates and breaks down Oxygen molecules transforming Oxygen into a highly reactive states of Ozone and Superoxide Ions which leave the unit as "Plasma Quatro".

##### *Transmitted Technology*

- The negatively charged **Superoxide Ions** charge airborne contaminants causing them to cluster together and fall from the air as they become too heavy, aiding all other processes. This can remove airborne particulates down to 0.0001 micron, that's better than any HEPA filter.
- **Targeted Ozone** produced via the specialist lamp gets the hardest to the hardest to reach areas breaking down contamination in the air and on exposed surfaces. Ozone damages the cell wall of microorganisms stopping reproduction and destroying the cell.



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