



## AIR SILENT RANGE

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

PRODUCTS: AS10 // AS10X // AS20 // AS20X // AS20M



# AIRsteril<sup>®</sup>

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## HEALTH AND COMFORT CAN BE SERIOUSLY AFFECTED BY POOR QUALITY AIR IN ENCLOSED SPACES

### ELIMINATE ODOUR & CONTROL INFECTION

Improve the air quality and eliminate all odours from incontinence and medical conditions. Improve the healthcare of care home residents, staff and visitors alike. The AS20/AS20X/AS20M are completely silent using our unique thermal UV to eliminate unpleasant odours and control harmful bacteria and viruses both in the air and on all exposed surfaces 24 hours a day, 365 days a year.



#### › HYGIENE PROBLEMS

Air Silent units are completely safe for use in an area of continuous occupation such as care home bedrooms. Poor ventilation, incontinence and medical conditions create bacteria, and in many cases even regular cleaning and disinfecting are simply not enough. The addition of masking agents can make odours worse and do nothing to control the spread of microorganisms.

AIRsteril gets to the root cause of the problem by controlling bacteria, viruses and mould, clearing allergens to improve the air quality. Unpleasant odours are also eliminated creating a more pleasant environment for all.

#### › BENEFITS OF USING AIRSTERIL

- › Clear embarrassing odours and eliminate masking agents
- › Control bacteria and viruses in the air and on all exposed surfaces
- › Improve infection control and hygiene standards
- › Reduce absenteeism and labour costs

#### › PERFECT FOR USE IN

- › Residential care homes
- › Hospital bedrooms
- › Waiting rooms
- › Consulting rooms
- › Dentist decontamination rooms

Area Size	10m2	20m2
Medium odour levels & infection control	AS10	AS20
High odour levels & infection control	AS10X	AS20X

- › Extend the life of carpets and soft furnishings to normal wear life
- › Improve the care home image and increase occupancy rates



### BACTERIA CONTROL VIA SILENT OPERATION IN CONSTANTLY OCCUPIED AREAS



AS10 // AS10X



AS20 // AS20X // AS20M

#### › 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 AS cover is easily removed by taking out two screws from the base, then the two finger screws removed from the lamp housing plate to allow lamp replacement. Any dust or debris build up should be cleared from the interior. Lamps must be changed on an annual basis to maintain performance.

#### › HOW OUR AIR SILENT SYSTEM WORKS

All AIRsteril units utilise our unique combination of 5 technologies. They eliminate unpleasant odours and control harmful bacteria and viruses 24 hours a day, 365 days of the year.

The AS units are suitable for use in areas of continuous occupation in enclosed spaces which require a silent unit. There are two distinct silent models available, AS10 for smaller rooms up to 15m<sup>2</sup> and AS20 for larger rooms up to 25m<sup>2</sup>, both with X versions for high odour areas or AS20M for allergy and infection control only.

All AS units are completely silent in operation with a blue light visible through the indicator strip on the front. Units should be wall mounted as high as practical for best operation. Designed to be plugged in, with an inline switch, but can also be wired into a fused spur.

## ODOUR ELIMINATION GUARANTEED

\*Conditions Apply

### TECHNICAL DETAILS

#### Air Silent Unit Dimensions

285mm (l) x 185mm (w) x 95mm (d) - AS10 // AS10X  
345mm (l) x 185mm (w) x 95mm (d) - AS20 // AS20X // AS20M

#### Power Supply

220-230V 15 watts - AS10 // AS10X  
220-230V 18 watts - AS20 // AS20X // AS20M

#### Set Up

Wall mounted on bracket supplied. Easy for marking two fixed points.

#### Construction

Anodised aluminium extrusion.

#### Weight

1.5kg - AS10 // AS10X  
1.6kg - AS20 // AS20X // AS20M

#### Operation

Continuous, indicated by blue lamp. Requires annual lamp change.





## 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.
- Power via a plug with an inline switch allows flexible installation and easy connection to existing sockets.

## For more information:

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### › 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.

