MEGA THERMAL RANGE

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

PRODUCT: MT75

AIRsteril®

T: 01234 871 875
E: sales@airsteril.co.uk
W: www.airsteril.co.uk

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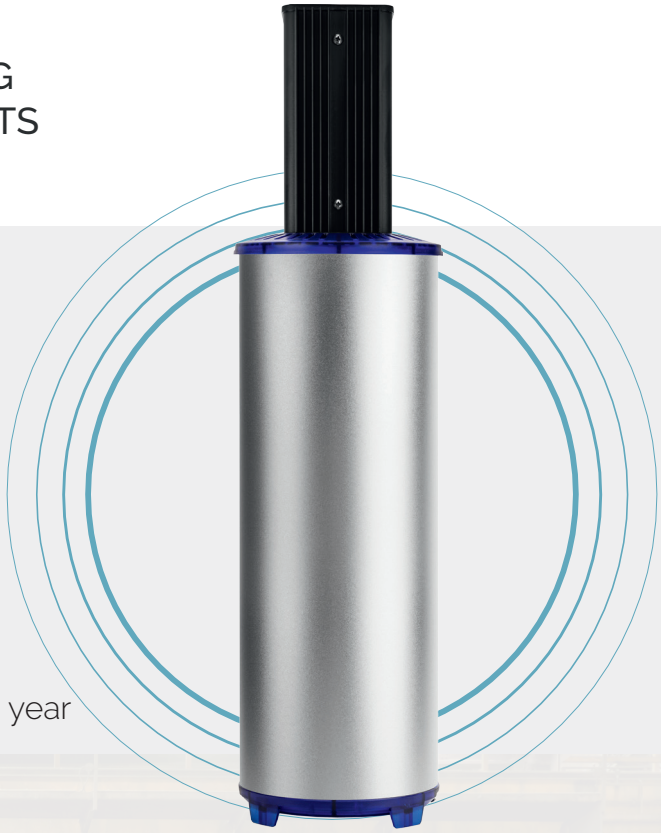
THE ONLY SOLUTIONS FOR EMBARRASSING WASTE AND COMPACTOR ODOURS, TARGETS THE ODOUR SOURCE



REMOVE ODOURS, CONTROL INFECTION & IMPROVE HYGIENE

- Stops odours at their source
- Reduces harmful viruses
- Breaks down unwanted bacteria
- Stops Mould and fungi growth
- Works in the toughest environments
- No chemical residue or moisture after treatment
- Prevents customer complaints
- Lifts visitors perception of cleanliness
- Low maintenance, clean and lamp change once a year

› ODOUR PROBLEMS

Environmental Protection legislation makes it an offence to manage waste in a manner likely to cause harm to human health or the environment, this includes offence to the senses. Businesses that have onsite compactors to manage their waste are all subject to odour control regulations.

Cleaning, filtration and chemical dosing cannot control the source of the odours whilst masking odours with strong fragrances will only have a limiting effect. In just 8 hours one bacteria can multiply to 8 million*, left uncontrolled this further breaks down waste and magnifies the odour issues. Attempting to mask these odours will simply not work and can make the environment much more unpleasant with the combination of bacteria waste odours, rotting matter and fragrances.

› BENEFITS OF USING AIRSTERIL MT75

› Control odours 24/7
› Eliminates need for fragrances
› Improves environment for all
› Eliminates customer complaints

› PERFECT FOR USE

› Above large waste compactors
› In large bin store rooms
› Persistent extreme odour areas
› Waste processing areas

*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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RAPID ODOUR CLEARANCE IN UNOCCUPIED AREAS TO MAINTAIN A PROFESSIONAL ENVIRONMENT, AND ENSURE POSITIVE REVIEWS FROM ALL

› SERVICING AND MAINTENANCE

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 MT unit is easily removed from its wall bracket by loosening the two wing nut screws, then can be serviced at ground level. Removal of the additional two wing nut screws from top of the unit allow lamp and catalyst removal for cleaning or replacement. Any dust or debris build up should be cleared from the interior and inlet/outlet vents. Lamps must be changed on an annual basis to maintain performance.

› HOW OUR MULTIPURPOSE 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 MT75 is designed for ongoing odour clearance and microbial control in a high contamination environment.

Due to its high power and the challenging environments it is used in, this unit should only be supplied following consultation with qualified Airsteril partners. Units should be mounted as high as practical for best operation, the purifying air from the units will fall through the air clearing contamination as it moves, finally penetrating into stored waste itself.

ODOUR ELIMINATION GUARANTEED
*Conditions Apply

MONEY BACK GUARANTEED 28 DAY MONEY BACK

TECHNICAL DETAILS

Mega Thermal Range Dimensions	Construction
670mm (l) x 160mm (w) x 160mm (d)	Anodised aluminium, solid extrusion.
Power Supply	**Weight**
100-220V 56 watts	3.4kg
Set Up	**Operation**
Usually free standing as high as possible for maximum dispersal and quickest effect. Can also be wall or ceiling mounted if required.	As required for odour clearance, or continuous use for areas over 100m2 . Requires annual lamp change.

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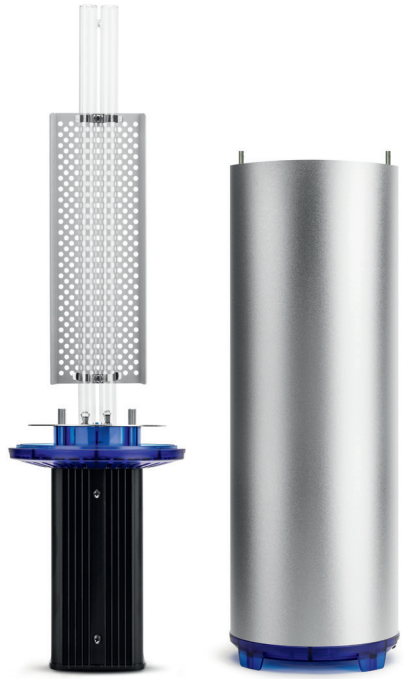
PHOTO CATALYTIC OXIDIZATION POWERPACK UNIQUE TO AIRSTERIL



› 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 is 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.

› 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.

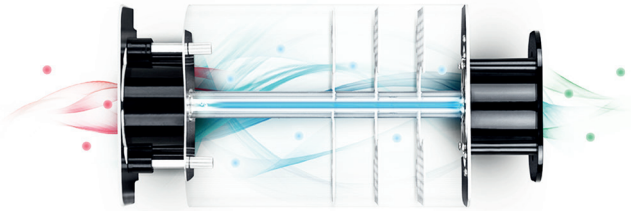
- PCO – Photocatalytic Oxidation, UV reacts with our Catalyst (Ti02) to form highly reactive but short lived oxidising Hydroxyl Radicals (OH) which break down Volatile Organic Compounds (VOCs).

- Interaction of the two UV wavebands with the TiO2 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 contaminates 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.



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

PHONE NUMBER

0845 372 1922

ADDRESS

Airscience Technology International Ltd.
Unit 23, High Barns Farm, Roxton
Bedfordshire, MK44 3ET, UK

Phone: +44 (0) 1234 871 875
Fax: +44 (0) 1234 420 170
E-Mail: info@airsteril.co.uk
Website: www.airsteril.co.uk