



# INOV8 AIR DISINFECTION



# THE COMPANY

Global Medics is a family owned company originally established in the 1990's to provide quality product and prompt, professional service to the healthcare market. Ongoing contact with a wide spectrum of medical providers has seen our range expand to include major international brands and our own branded products in four key areas - Aged Care, Theatre/Surgical, Pharmacy/IT and Hospital.

## PARTNERS FOR LIFE

Throughout our history, we have strived to forge ongoing relationships with both our customers and our suppliers, allowing us to better meet your needs and provide the best, most efficient and cost effective solutions to improving medical care for your residents, patients and your own healthcare teams. Truly understanding what you do and working together in this way, we can help enhance quality of life for all patients.



**GLOBAL SOLUTIONS** Today our range includes a comprehensive supply of medical and healthcare requirements from gloves to wound care, infection control, theatre and surgical items and more that really deliver results. To view our full product range please visit [www.globalmedics.co.nz](http://www.globalmedics.co.nz)

## OUR MISSION

To forge partners for life so we are better able to deliver the highest quality, innovative products, tested and proven in the global healthcare arena

To reflect the value we place on these partnerships by delivering unbeatable service and backup support

To deliver the most simple and effective solutions that focus on improving quality of life

FOR ALL YOUR MEDICAL PRODUCT ENQUIRIES, BROCHURES OR ORDERS PLEASE CONTACT OUR HELPLINE

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[www.globalmedics.co.nz](http://www.globalmedics.co.nz)



**Global Medics**  
Medical and Hygiene Supply Group



# INDEX

Global Medics seeks continuously to deliver optimum solutions to your requirements through a range of unique, internationally branded medical products sourced from round the globe.

This brochure outlines the our Air Disinfection product range; Inov8 Air Disinfection Units use hydroxyl radicals that mimic the natural disinfection qualities of outdoor air and protect you in an enclosed environment.

Compact, quiet and easy to use, the AD units offer a safe, reliable and natural way to continuously protect against infections and diseases caused by airborne bacteria, viruses and fungi.

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The Wall Mounted Air Disinfection unit which can also be used as a floor standing unit, is a device designed for use in enclosed indoor spaces. The unit replicates a process that occurs in nature through the degradation of Ozone by naturally occurring olefins.

A bi-product of this reaction is the Hydroxyl Radical, (see following page for further information) a reactive Oxygen Species which is highly unstable and reacts with bacteria, viruses and fungi by attacking most known species.

The unit produces rapid disinfection in enclosed spaces and is also very effective at removing odours. It does all this without the need for air circulation or filtration and is quiet, compact and easy to operate.

In contrast with some competitive products it is not necessary to evacuate the room during sanitization; the AD unit is designed to operate in busy lived-in environments.

Commonly used to protect against bacteria, viruses and fungi in hospitals, care centres, health centres, doctors' surgeries, offices, hotels, gyms, changing rooms, schools, etc...



### WALL MOUNTED AIR DISINFECTION UNIT FEATURES:

- NEW TECHNOLOGY
- ATTACKS VIRUSES, BACTERIA AND FUNGI
- EFFECTIVE AGAINST NOROVIRUS, S. AUREUS, C. DIFF, H1N1 AND FLU VARIANTS
- 99.999 % EFFECTIVE AGAINST MS2 COLIPHAGE
- COMPACT (48CM HIGH), QUIET AND EASY TO USE
- LOW POWER CONSUMPTION
- ANTI-TAMPER FEATURES



CODE	DESCRIPTION
DHWM01	INO8 Wall Mounted Air Disinfection Unit



### The Hydroxyl Radical

The Hydroxyl Radical ( $\text{OH}^\circ$ ) is essential to life; in the body,  $\text{OH}^\circ$  is produced by cells to kill invading pathogens as an integral part of the body's own immune system. In the open air  $\text{OH}^\circ$  is produced by the interaction of ozone and natural olefins, which are released by plants and flowers.

$\text{OH}^\circ$  is a transient energy source, however, when it reacts with molecules on the surface of a pathogen, more  $\text{OH}^\circ$  is produced which creates a natural cascade, creating more  $\text{OH}^\circ$  to destroy more pathogens. This means that even a low level output of  $\text{OH}^\circ$  is capable of disinfecting an enclosed space. The disinfection effect has been repeatedly proven at UK Government facilities against challenges such as Clostridium difficile (C.diff), live Staphylococcus aureus (MRSA) and MS2 Phages at Leeds University. These tests demonstrate that with  $\text{OH}^\circ$ , a room was maintained below infectious levels even when a high density of pathogens was continually added into the test chamber.



### The Inov8 Technology

The Inov8 Air Disinfection technology has been developed and extensively tested to recreate the natural germ killing and beneficial properties of fresh air.

Inside a robust body crafted from aerospace grade aluminium alloys, the AD takes ordinary air, lifts the ozone content and then, still within the confines of the machine, quenches the ozone to produce just air, the faint scent of plants or flowers, and  $\text{OH}^\circ$ , free to protect everyone within the space where the unit runs.

Years of engineering have produced a machine that operates on 12 volts for complete electrical safety which complies with rigorous electrical interference regulations and is fail-safe.

All the user needs to do is replace the refill cartridge containing the distilled scent of plants every 3 months. A warning note sounds if this is forgotten and if the supply of olefin is exhausted, the machine switches itself off. State of the art sensing technologies ensure that the ozone levels in the room where the machine is used can never reach even the minimal levels permitted by the most rigorous Government agencies.



The Inov8 Science Refill Cartridge is a specially designed and patented product for use in Inov8's air disinfection product line. It features a precision flow dosing head for mixing known amounts of ozone and olefins contained within the cartridge to produce hydroxyl radicals.

The Cartridge contains a specially formulated mixture of naturally occurring plant extracts. Each cartridge contains sufficient fluid to operate the AD for three months before it requires replacement.

The timing of the cartridge operating life is provided by the machine's electronics which produces a signal after 90 days and which subsequently switches off after a further 5 days.

The Refill Cartridge is a single use self contained consumable that is quick and easy to install. It is supplied in a sealed stand up bag, child proof pack, or in a partitioned box holding up to 25 cartridges. After reading the instructions, the user need only remove the inner seal from the top and insert the Refill Cartridge into the housing at the top of the machine (More details are provided in the User Manual).

### REFILL CARTRIDGE FEATURES:



- Disposable replacement cartridge for Inov8 AD and DH-WM products.
- Automatically delivers the correct amount of D-Limonene to ensure full ozone quenching.
- Patented design.
- 9 months shelf life.
- 3 months operating life.

CODE	DESCRIPTION	CTN QTY	COLOUR	SIZE
CO21	INO8 Refill Cartridge (Resealable Bag)	25 cartridges	Blue	50mls





The logo consists of a green globe icon with latitude and longitude lines, positioned to the left of the text "Partners for Life".

Partners  
for Life

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