

medicair



MedicAir[®] 2.0 Air Purifier Product Brochure



MedicAir® 2.0 Air Purifier 2022
FZHCE05-MWEM

MedicAir®'s commitment to safety Product Brochure

MedicAir® uses medical grade purification technology to purify your air from viruses, bacteria, allergens and other undesirable contaminants. MedicAir® has been independently tested by world accredited labs and is used in thousands of leading healthcare facilities globally.

Working with UK Care partners

The Medical Grade MedicAir® Air Purifier is proud to partner with the National Care Forum and Care England.



Technological excellence

Combining innovative technology with outstanding design, we bring you a sophisticated air purification system to ensure the highest levels of protection and reassurance in your everyday environments. Our products are designed to fit seamlessly into any environment, enabling you to safely continue with your everyday activities and achieve your maximum potential.

Our state of the art MedicAir® system eliminates the invisible contaminants in a room and disperses clean air filtered for viruses, bacteria and particulates with its ultra-high power 24W UVC technology, 360-degree air intake and five-stage filtration process, it's quick, efficient and quiet. Designed and developed for quality and longevity with widely trusted technology, MedicAir® gives you peace of mind, with the exceptional levels of service you can be sure of from the MedicAir® team.

Filter Specification

- Pre-Filter: Non-woven fabric mesh
- HEPA H-13 filter efficiency is 99.95% at > 0.3 microns
- Activated Carbon Filter
- UV-C 24W Bulb



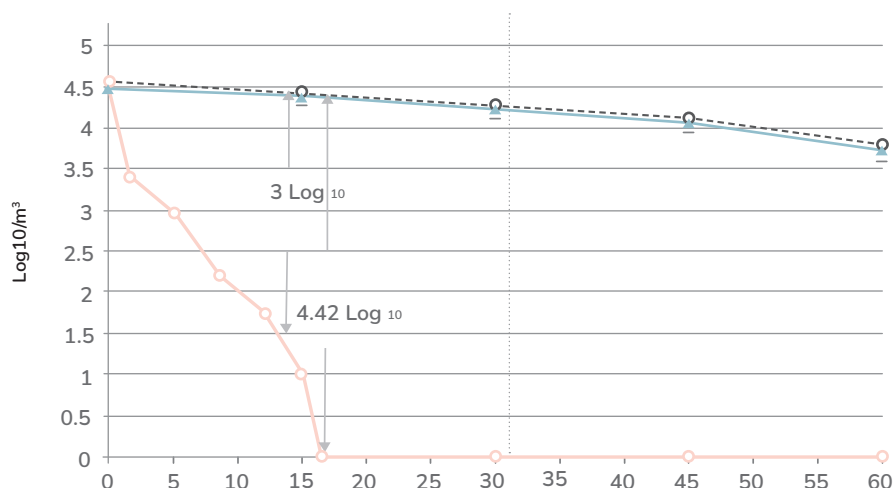
Independently tested at the Airmid Healthgroup laboratory Ireland.



Independently tested by CremCo Lab in Canada.

Airborne virus removal from a test chamber within 16 minutes with MedicAir®

Independently tested by accredited labs internationally to remove viral airborne containments.



In a Test Chamber of 25 m³ (built to comply with the guidelines from the U.S. Environmental Agency (U.S. EPA 2012))

—▲— Control Test (average) —○— Efficacy Test (average) —○— Transformed Control



Air Flow

MedicAir® allows for an enormous maximum air flow of up to 605m³/hour enabling a large number of air changes even within the most challenging of environments.

The Problem at hand

Indoor air Pollution (IAP) is considered a serious threat to human health. On average, we spend 90% of our time indoors, experiencing air quality that is up to 5 times worse than that found outdoors. Sick building syndrome (SBS) and Building-related illness (BRI) are widespread across a vast array of indoor settings. Stagnant, contaminated air is commonplace within these settings, and this has been shown to have detrimental effects on health including those such as respiratory infection, lung cancer, stroke and cardiovascular illnesses.

It has been demonstrated beyond reasonable doubt that viruses are released as part of the exhalation process, as well as whilst talking and coughing. During such processes, the micro droplets are extremely small and can remain airborne for long periods. A typical 5-µm droplet will likely travel tens of meters before settling to the ground.

Used widely throughout healthcare facilities right across the UK national health service, as well as within healthcare facilities across Europe and beyond, MedicAir® medical grade air purification is now available to you.



Noise Levels

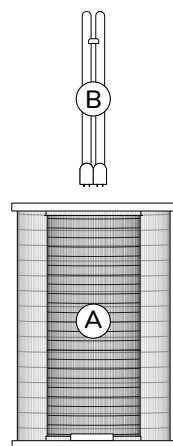
MedicAir®'s design, alongside the efficiency of a NiDec Japanese optimised motor, allows operating noise levels of a band of between 30-60 Db. As a logarithmic scale, 30 Db is the sound of rain, 60 Db is the sound of a conversation at 2m.

The Technology Behind the Solution

MedicAir® offers a unique solution for the purification of your indoor air, improving air quality and reducing the incidence of suspended viruses, bacteria and numerous other harmful contaminants commonly found throughout indoor air. We provide you with an advanced breathing experience.

The MedicAir® unit utilises a custom engineered multi-stage air purification process with a maximum airflow throughput of 605m³/hour, alongside a muted noise level, operating at a maximum of only 60db.

Our combination of filters enable purification of your air like never before. The anti-bacterial coated HEPA-13 filter has a 6.7m² surface area and filters out 99.95% of all particles down to 0.3 microns, whilst our activated carbon layer removes harmful VOCs and odours, before our 24W UVC bulb targets viruses and other microscopic contaminants.



- Ⓐ Pre-filter, ATP-HEPA and carbon filter cartridge
- Ⓑ TiO₂ catalyzed UV-C reaction chamber

Filters

A. Pre-filter, ATP-HEPA and Carbon filter cartridge

Pre-filter and ATP-HEPA antimicrobial peptide filter

This consists of an omni directional antimicrobial fibre mesh fabric capable of capturing and filtering large particles such as dust, hairs and skin flakes. This prolongs the lifespan of the HEPA filter and improves system efficiency.

The high-density ATP-HEPA H13 antimicrobial peptide filter removes the majority of airborne particulate matter with a mean aerodynamic diameter of 2.5 µm.

High-efficiency activated carbon layer

This is a large honeycomb-structured filter which works to remove harmful substances such as mercury and benzene. It can subsequently reduce odours in the room.

B. TiO₂ catalyzed UV-C reaction chamber

By way of a 24-Watt UVC bulb placed in the center of the reaction chamber, MedicAir® is able to denature pathogens by damaging their RNA/DNA.

Please visit medicair.co.uk to buy high-performance combined filters.



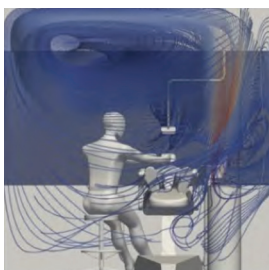
ReAKT Technology

The design of MedicAir® enables on board laser sensors to detect airborne contamination and react to this across 4 settings. This technology allows for optimised filter cartridge utilisation, causing your filtration to be preserved for longer than otherwise possible.



MedicAir® has been shown to improve indoor air quality within school classrooms.

MedicAir® research team provide further reading available at: <https://assets.researchsquare.com/files/rs-1223432/>



Laminar air flow refers to air flow within the room being both uniform in velocity and direction.

MedicAir® research team provide further reading available at: researchsquare.com/article/rs-59571/v1

Simple to Use

The MedicAir® unit does it all, meaning you can sit back and relax. The digital display allows you to easily monitor and adjust your MedicAir® system at the touch of a button.

Showing you everything from air quality levels, to relative humidity and room temperature, the on screen light up display provides an expert user experience. The on-board laser sensors constantly monitor the quality of the air, detecting increases in air contamination and activating the unit's motors accordingly.

Variable Power Settings

Air Flow Setting	Air Flow (m³/hour)	Noise Lead (dB)	Power Consumption (watts)
Low	up to 180	35	35
Medium	up to 360	45	45
High	up to 500	57	57
Max	up to 605	60	80

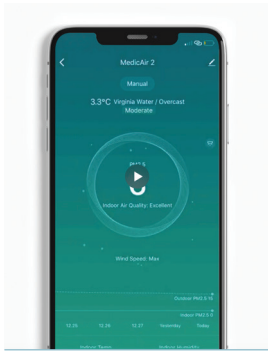
MedicAir® for your Environment

MedicAir® provides a surgical-grade level of protection for your indoor environment. Due to the power capability of MedicAir®, the unit is capable of delivering 605m³/hour of air throughput.

Within Medical environments, where guidance indicates a 10 'Air Changes per Hour' policy, the MedicAir® is capable of providing this to even the larger of surgeries.

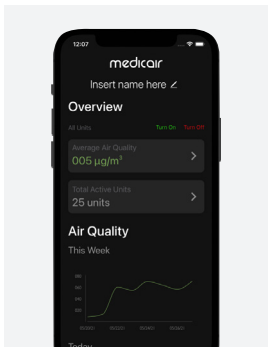
MedicAir® is also used in many open plan surgeries in which one MedicAir® is allocated per bay/chair to enable a laminar air flow throughout the environment.





MedicAir® Mobile App

Available on both the Apple App store and Google Play store, MedicAir®'s mobile app allows you to control and monitor your units, wherever you might be.



MedicAir® Data Mobile App

The MedicAir® Data app enables clients to track and audit their air quality over time across multiple buildings and multiple geographies.

3 methods of control

At MedicAir®, we believe in making life easy for you. That's why MedicAir® is able to be controlled in three different ways.

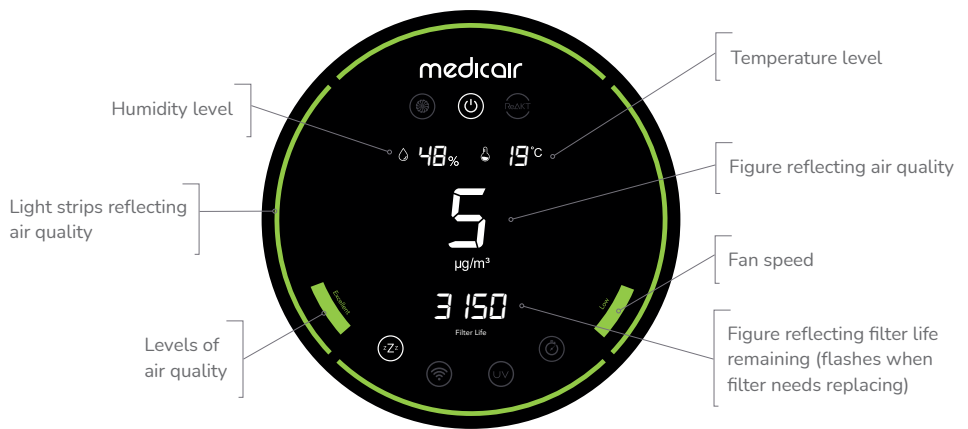
MedicAir® can firstly be controlled simply by touch screen (located on the top of the MedicAir® unit.)

MedicAir® also arrives with a battery operated remote control, which gives you the ability to adjust airflow, activate new modes and turn your device on and off. The remote is long-range meaning it can provide connection from up to 6 meters away.

Finally, you can download the 'MedicAir®' mobile application from the Apple App Store or Google Play Store and sync your device to your Air Purifier. MedicAir®'s mobile application gives you all the functionality of the screen, as well as the ability to track filter longevity and monitor your air quality even when you are off-site.

On Screen Control

MedicAir® on-screen controls are intuitive, simple and effortless. The display provides an 8 inch (diagonal) wide-screen LCD display enabling easy reading and interpretation.



Colour display

Whilst the LCD display provides information on your indoor air quality, the Red, Amber, Green indicator on the front of MedicAir® (see right) provides an immediate feedback on the air quality to anyone in the room.

If Air Quality deteriorates beyond 20ug/m³ the top section of the air outlet will glow white, beyond 50ug/m³ this section will glow amber and above 75ug/m³ this section will glow red.

Once ReAKT has been activated, the machine will automatically respond to any disturbances in the air quality, re-establishing excellent (green indicator) air quality within a short period.





Intelligent filter system

Available MedicAir® filter system is intelligent and therefore able to inform the user when the filter for your machine requires changing. When your filter has 10% filter life remaining, the above panels on your screen will flash red repeatedly. Simply visit medicair.co.uk/filterreplacement to order a new one.

Maintenance and Cleaning

The MedicAir® unit is designed with two priorities in mind. Effectiveness and simplicity. As a result, the MedicAir® requires minimal upkeep to ensure longevity of use. This involves the:

- Responsible day to day use
- Changing the filter cartridge (as appropriate)

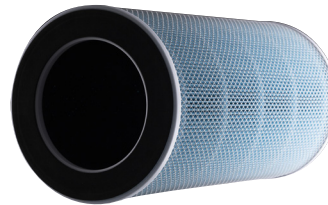
Filter Replacement

MedicAir® is simple. Therefore, so is the filter replacement process. MedicAir®'s filters are combined into one 'filter cartridge' (containing all elements of the filtration process and technology inside).

- Takes 2 minutes to change
- Available directly from MedicAir®
- Can be installed by anyone in your team

MedicAir® Filter Cartridge 2022 PAFCTEM2

Cost: £125 inc. VAT and delivery



Contents:

- Pre-Filter: Non-woven fabric mesh
- HEPA H-13 filter efficiency is 99.95% at > 0.3 microns
- Activated Carbon Filter
- UV-C 24W Bulb

MedicAir® 2.0 Unit

MedicAir® combines the very latest air purification technology to provide you with a comprehensive, easy to use air quality solution as used by leading healthcare facilities.

MedicAir® 2.0 Air Purifier 2021 FZHCE05-MWEM



Cost: £995 inc. VAT and delivery (price per unit decreases with multiple unit orders)

- Contents:**
- 1x MedicAir® Air Purifier (with pre-installed filter cartridge)
 - 1x Remote Control (with pre-installed battery)
 - 1x Instruction Manual for use
 - 7x MedicAir® Holographic sticker (various sizes)
 - 1x Power Cord (country specific)

Optional Extras



Wheel base unit (DAWA9129)
Cost: £53 inc. VAT and delivery



Wall mount (DAWM3910)
Cost: £62 inc. VAT and delivery



The UK and far beyond

The MedicAir® team work with hundreds of client's across the UK across England, Wales, Scotland, Northern Ireland. More recently we have grown internationally, assisting clients in South Africa, UAE and mainland Europe.

About us

MedicAir® is a UK based company with it's headquarters in Chertsey, Surrey. With a number of in-house engineers across both mechanical and electrical sides, we are a team passionate about what we do.

MedicAir® was founded by a group of medical professionals with a goal of helping alleviate the risks associated with indoor air contamination. Designed originally for the dental environment and later partnering with clients across Hospitals and a large number of commercial premises across not only the UK, but Europe and internationally. We are proud of the enabling power we have provided to our clients.

Working with



Commercial Procurement Services

Contact us

The MedicAir® team enjoy learning about our clients problems and unlocking enabling power to provide safer indoor spaces.

For more information or to find out to buy:

- Call: +44 (0) 1932 553023 
- Text: +44 (0) 7712 226437 
- Email: hello@medicair.co.uk 
- Visit: www.medicair.co.uk 