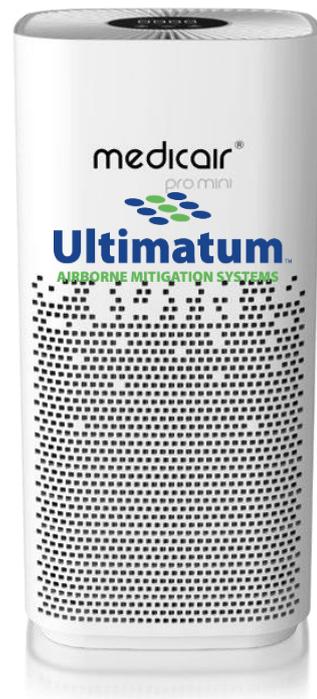
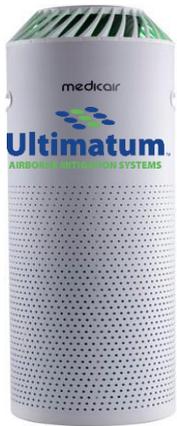




medicair 2.0 & Pro mini Air Purifiers.

Utilizing medical grade purification technology to include pre-filter, HEPA H-13 filter, Carbon filter, and Ultra-High Power 24w UVC technology.





Our commitment to safety Product Brochure

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

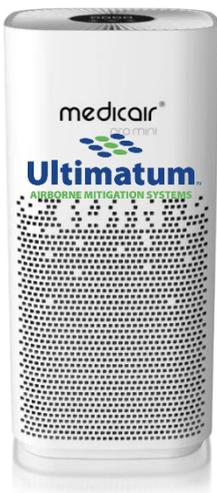
Filter Specification

- 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

Technological excellence

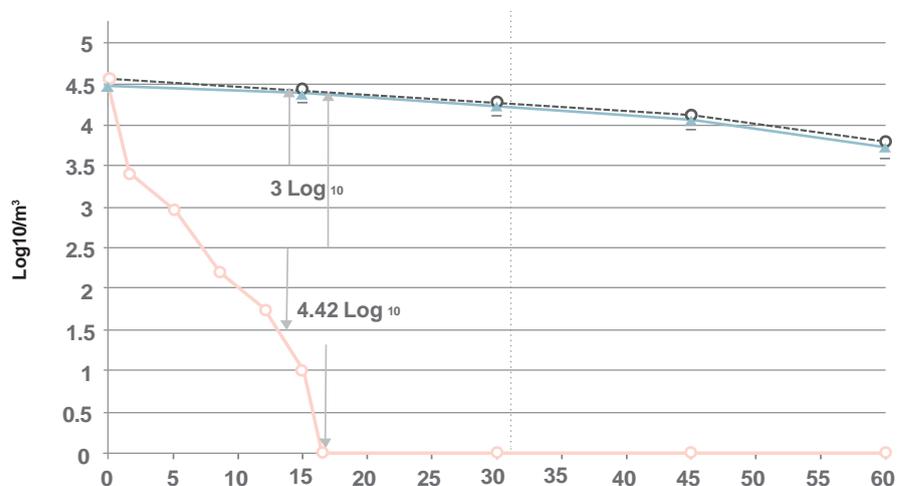
Combining innovative technology with outstanding design, we bring you a sophisticated air purification system to ensure the highest levels of protection and reassurance in your everyday environments. Our products are designed to fit seamlessly into any environment, enabling you to safely continue with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

Our state-of-the-art **Ultimatum 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, **Ultimatum MedicAir®** gives you peace of mind, with the exceptional levels of service you can be sure of from the **Ultimatum MedicAir®** team.



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

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

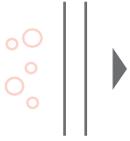


In a Test Chamber of 25 m³ (built to comply with the guidelines from the U.S. Environmental Agency (U.S. EPA 2012))

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

Filter Specification

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Air Flow

Ultimatum 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, **Ultimatum MedicAir®** medical grade air purification is now available to you.



Noise Levels

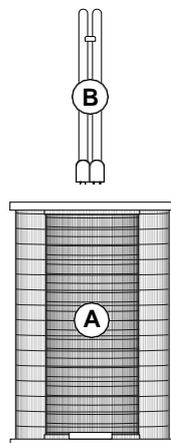
Ultimatum MedicAir®'s design, alongside the efficiency of a NiDec Japanese optimized motor, allows operating noise levels of a band of between 30-60 Db. As a logarithmic scale, 30 Db is the sound of rain, 60 Db is the sound of a conversation at 2m.

The Technology Behind the Solution

Ultimatum 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 **Ultimatum MedicAir®** unit utilizes 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 enables 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 odors, before our 24W UVC bulb targets viruses and other microscopic contaminants.



- A** Pre-filter, ATP-HEPA and carbon filter cartridge
- B** 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 omnidirectional antimicrobial fiber 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 odors 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, **Ultimatum MedicAir®** can denature pathogens by damaging their RNA/DNA.



ReAKT Technology

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



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

Ultimatum 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.

Simple to Use

The **Ultimatum MedicAir®** unit does it all, meaning you can sit back and relax. The digital display allows you to easily monitor and adjust your **Ultimatum 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

Medic 2.0 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
Pro Mini Air Flow Setting	Air Flow (m³/hour)	Noise Lead (dB)	Power Consumption (watts)
Low	up to 180	31	8
Medium	up to 270	41	19
High	up to 360	49	31
Max	up to 400	55	40

Ultimatum MedicAir® for your Environment

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

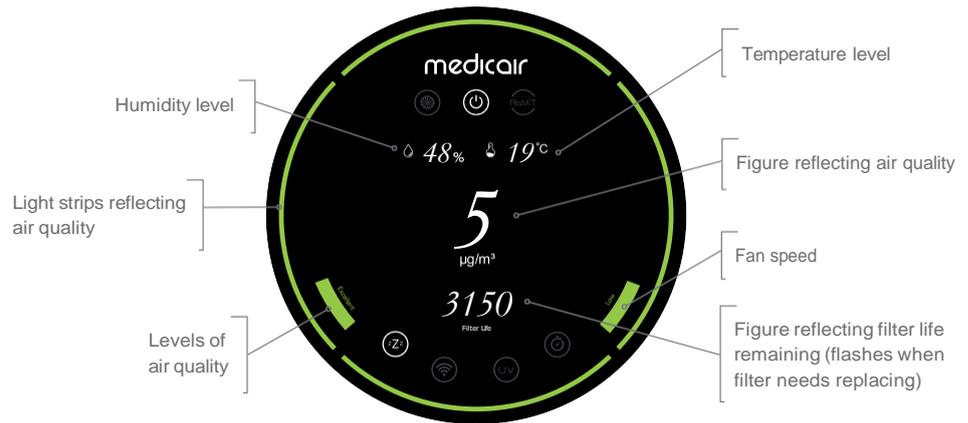
Within Medical environments, where guidance indicates a 10 'Air Changes per Hour' policy, the **Ultimatum MedicAir®** can provide this to even the larger of surgeries.

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



On Screen Control

Ultimatum 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.



Color display

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

If Air Quality deteriorates beyond $20\mu\text{g}/\text{m}^3$ the top section of the air outlet will glow white, beyond $50\mu\text{g}/\text{m}^3$ this section will glow amber and above $75\mu\text{g}/\text{m}^3$ 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 Ultimatum 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.

Maintenance and Cleaning

The **Ultimatum MedicAir®** unit is designed with two priorities in mind. Effectiveness and simplicity. As a result, the **Ultimatum 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

Ultimatum MedicAir® is simple. Therefore, so is the filter replacement process. Ultimatum **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 **Ultimatum MedicAir®**
- Can be installed by anyone in your team

Ultimatum 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

Ultimatum MedicAir® 2.0 Unit

Ultimatum 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.

Ultimatum MedicAir® 2.0 Air Purifier 2021
FZHCE05-MWEM

Optional Extras



Wheelbase unit (DAWA9129)



Wall mount (DAWM3910)

About us

The team at Air Cleaning Systems, Inc. is happy to introduce our new line of airborne mitigation systems called Ultimatum MedicAir® This series of airborne mitigation systems are designed for use anywhere that fine airborne contaminants, odors, or pathogens are a concern.

Air Cleaning Systems Inc. with its Forty-Seven (47) years of Air Filtration Experience in Sales, Service and Broad application of Usages decided to develop & provide our Ultimatum's™ AIRBOURNE MITIGATION SYSTEMS Model MedicAir 2.0 & Pro Mini Series to approach the COVID Pandemic with a carefully considered design of SIMPLICITY with PREFORMANCE Centrifugal Fan design to accomplish levels of control unheard in the Air Filtration industry...

Appearance of Air Filtration equipment does not provide INDOOR Air Quality but application of multiple technologies for controlling pollution with contaminants that are permanently suspended in: fine airborne pollution, odors, VOC 's and pathogens in every cubic foot of room space in your facility. PLUS, Ultimatum Air Filtration with Certified HEPA-H14 Filter, Nano Hybrid Activated Carbon Filter, UV TiO2 Reaction Chamber, and a Prefilter provides your INDOOR Air Quality goals to Protect any and all persons in these environments.

Seeing is believing with our lightweight portable Model MedicAir 2.0 & Pro Mini that can be placed on floors etc. to insure proper air change per hour requirements effectively, efficiently, quietly with 4 different speeds of Cubic Feet per minute air velocity discharge with Low dBA ratings. Choose Affordability, Durability, Easy Access to filter inspection and replacement with unequal high efficiency in UV and Filtration. THE SIMPLE CHOICE

Contact us

The Ultimatum **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:

P: 1-800-247-1020 

E: info@ultimatumusa.com 

W: <https://ultimatumusa.com> 