

dentair

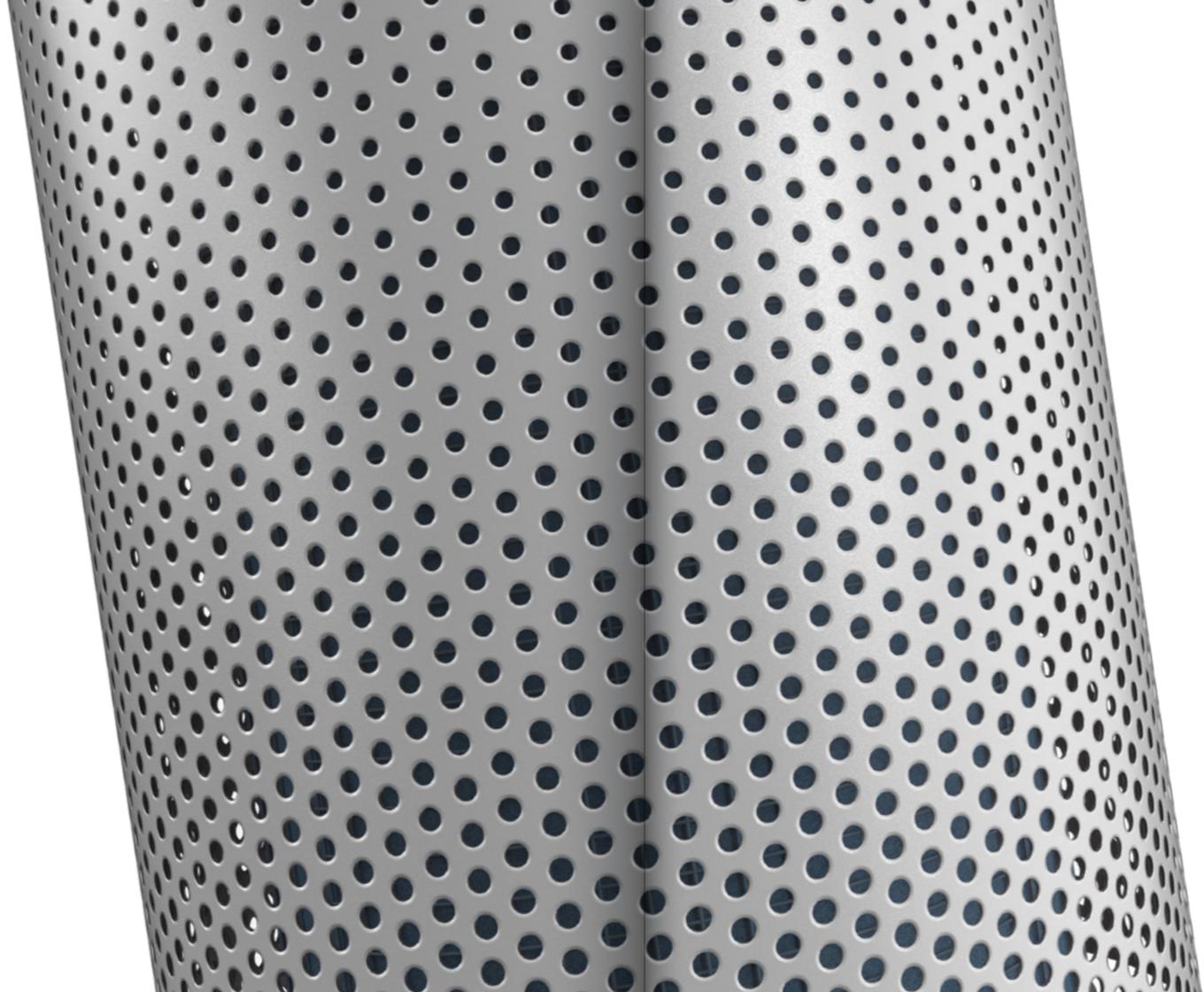
A BRYANT DENTAL PRODUCT



Pioneering Safer Dentistry

Combining innovative technology with outstanding design, we bring you a sophisticated dental air purification system to ensure the highest levels of protection and reassurance for your team and your patients.

Our world-leading DentAir system eliminates the invisible contaminants in a room and disperses clean air that's free from 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, allowing you to work safely without disruption. Engineered with quality and longevity in mind through integration of the most trusted and advanced technologies on the market, DentAir gives you peace of mind, with the exceptional levels of service you can be sure of from Bryant Dental.



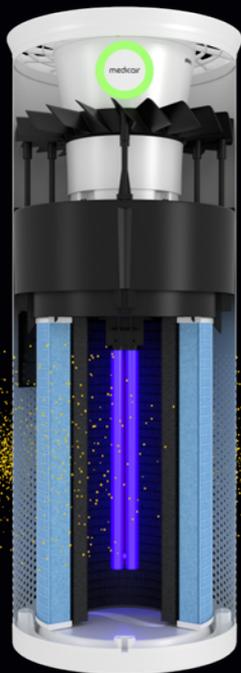
High-performance air purification technology

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Just one mouth alone can be host to 350 different kinds of pathogens, which can disperse into the air during dental treatments – and remain suspended there for hours. With the very latest in technology built into one sophisticated unit, DentAir allows safe practice of dentistry by filtering and killing viruses, bacteria and other pathogens.

The combination of a world-class 5-stage filtration process, UVC lamps, 360-degree inflow and over 5,000 inlet holes, DentAir reaches over 99.99% sterilisation rate in every corner of the room. The market-leading 600m³/hour clean air delivery rate (CADR) ensures that the average size dental surgery will have its air cycled every four minutes.

As well as pathogen removal, our state-of-the-art air filtration system draws in the full spectrum of dental bioaerosols, consisting of organic matter, mercury vapour and other harmful pollutants.



Market-leading dental air purifying system

DentAir offers dental professionals a unique solution for sterilisation and filtration of air, improving quality and reducing the incidence of aerosolised viruses and bacteria.

360-degree intake

Unlike other air purification systems that only have three sides, DentAir has 360-degrees of inlets to draw in bioaerosols from all corners of the room, via 5,408 inlet holes. The air is drawn in through the bottom of the unit, purified and then smoothly released from the top through its Venturi Blade design technology, giving highly effective air purification around the entire room.



Reactive Air Kinetic Technology (ReAKT)

The combination of an efficient motor and HEPA Class H-13 filter reduces the noise levels to as low as just 28db, compared to other systems that have a minimum of around 40db. The laser-guided ReAKT also helps to reduce noise by allowing the unit to automatically adjust the airflow rate according to the level of particles in the environment. This means DentAir runs smoothly, efficiently and quietly, without constant monitoring and input from the user – resulting in a comfortable and safe environment within which to treat your patients.



Bacteria



Viruses



Volatile organic compounds



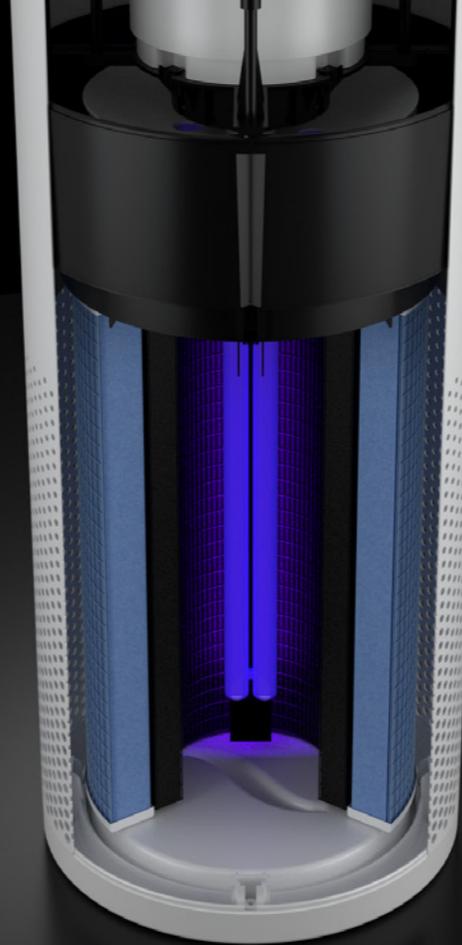
Mercury vapour

Carbon filter and HEPA filter

Our system has a carbon filter and HEPA filter working together to effectively remove an extensive variety of harmful matter, as well as dental odours, from the room.

Enhanced airflow

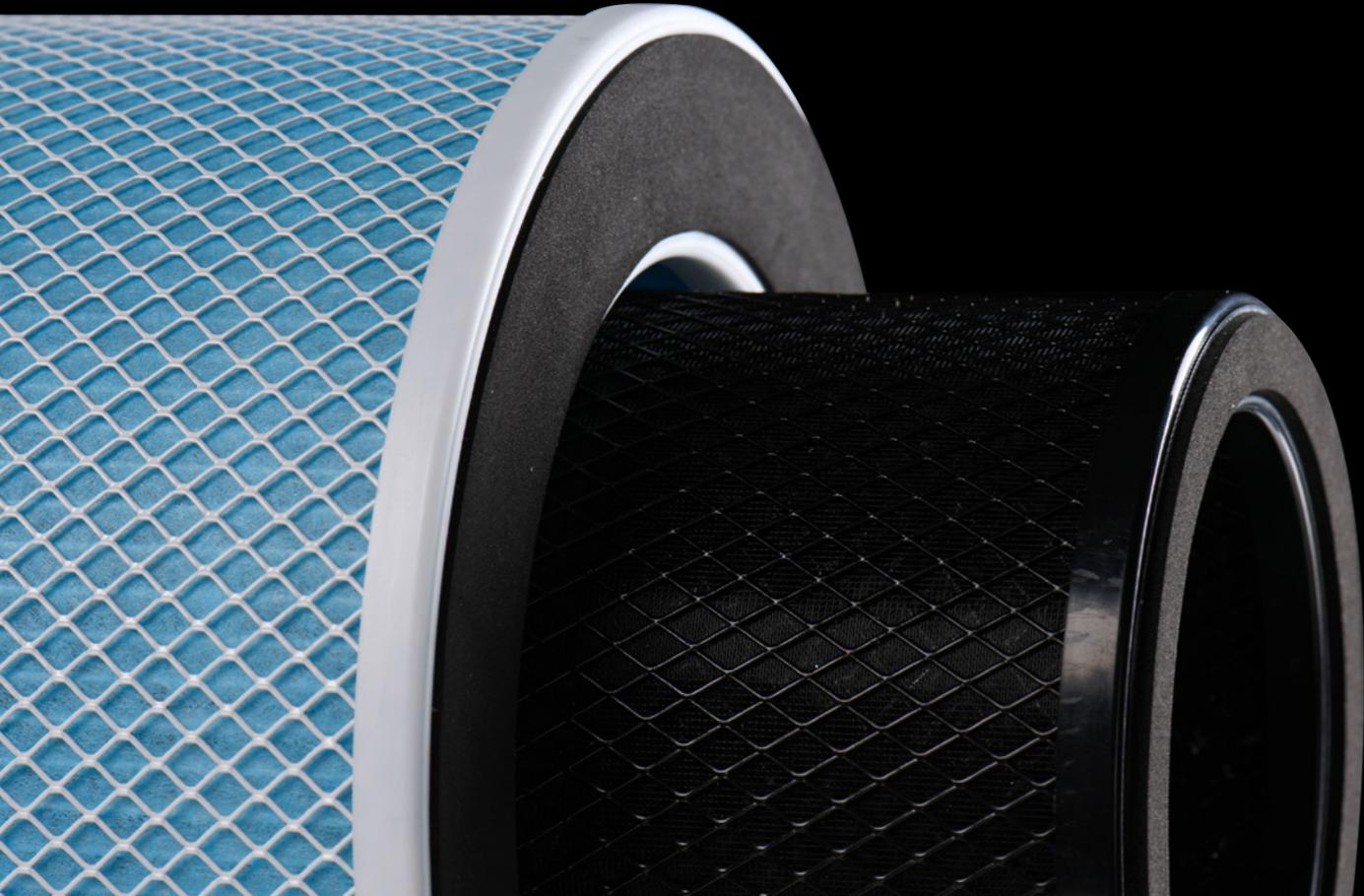
The average dental surgery is around 40m³, and the DentAir system's airflow is 600m³ per hour – this means our unit can cycle the air in a surgery once every four minutes.



Enhanced UVC sterilisation technology

The DentAir system boasts an unrivalled 24W UVC lamp to kill off 99.99% of viruses and bacteria.

Using the energy of ultraviolet photons, UV rays from the lamp penetrate the cell membranes of microorganisms, viruses, bacteria and other harmful pathogens. The high-energy UVC destroys the DNA structure and nucleic acid molecules, inactivating pathogens the system has drawn in.

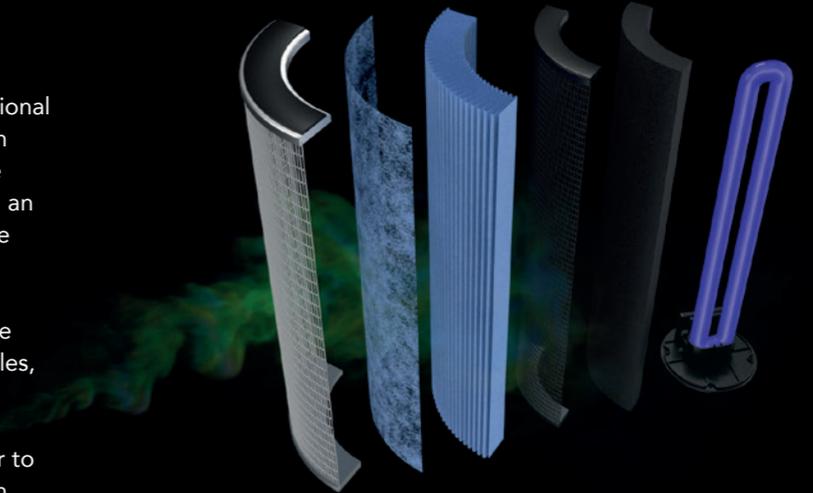


Superior filtration

The filtration system in DentAir offers exceptional efficiency both in terms of the speed at which air can be purified and the noise levels of the system. With a pre-filter, a HEPA 13 filter and an activated carbon layer working in synergy, the quality of the air filtration is second to none.

The pre-filter consists of an anti-bacterial fibre mesh fabric to capture and filter larger particles, such as skin flakes, hair and organic tooth material. The system then utilises the high-density ATP-HEPA antimicrobial peptide filter to remove smaller airborne matter, which is then passed through the activated carbon layer to further eliminate harmful substances.

The filter is simple to twist off and change in just ten seconds, with no need for an engineer.



Depending on the hours of usage, air quality and the location of your DentAir system, you should only need to replace your filter once a year.



Stylish & user-friendly design

The DentAir system has a sleek and minimalist design, so it blends perfectly into your surroundings and is simple to use without disruption to your work.

The digital display allows you to easily monitor and adjust your DentAir system at the touch of a button and shows you everything from air quality levels and speed, to humidity and temperature. With our state-of-the-art app, you can monitor the air quality in your surgery remotely and record and save details on the air quality audit section.

The entire unit and touch panel are easily cleaned with a simple wipe down, and the remote control unit is magnetic, allowing for safe and hygienic storage.



Air Quality Audit

An innovative app puts you in control wherever you are

The DentAir system is fully app-enabled on both IOS and Android and wirelessly connects to your device to keep a log of your surgery air quality. You are able to control, activate and switch off your unit from the convenience of your smartphone.



Technical Specification



Dimensions:	800 x 300 mm
Noise:	28-60db
360 Inlets:	5,408
CADR:	600m ³ /hour
UVC lamp:	1 x 24W
Filters:	» Pre-filter » 6.7m ² antimicrobial HEPA H-13- 99.95% efficiency at 0.3µm or larger, » Activated carbon layer
Control panel:	Touchscreen + Infrared Remote
Fan Speeds:	4 + ReAKT Mode
App-Enabled:	IOS & Android
ReAKT Technology:	Laser-Guided
Motor Technology:	NiDec Japan
Approvals:	CE, EMC, LVD.



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