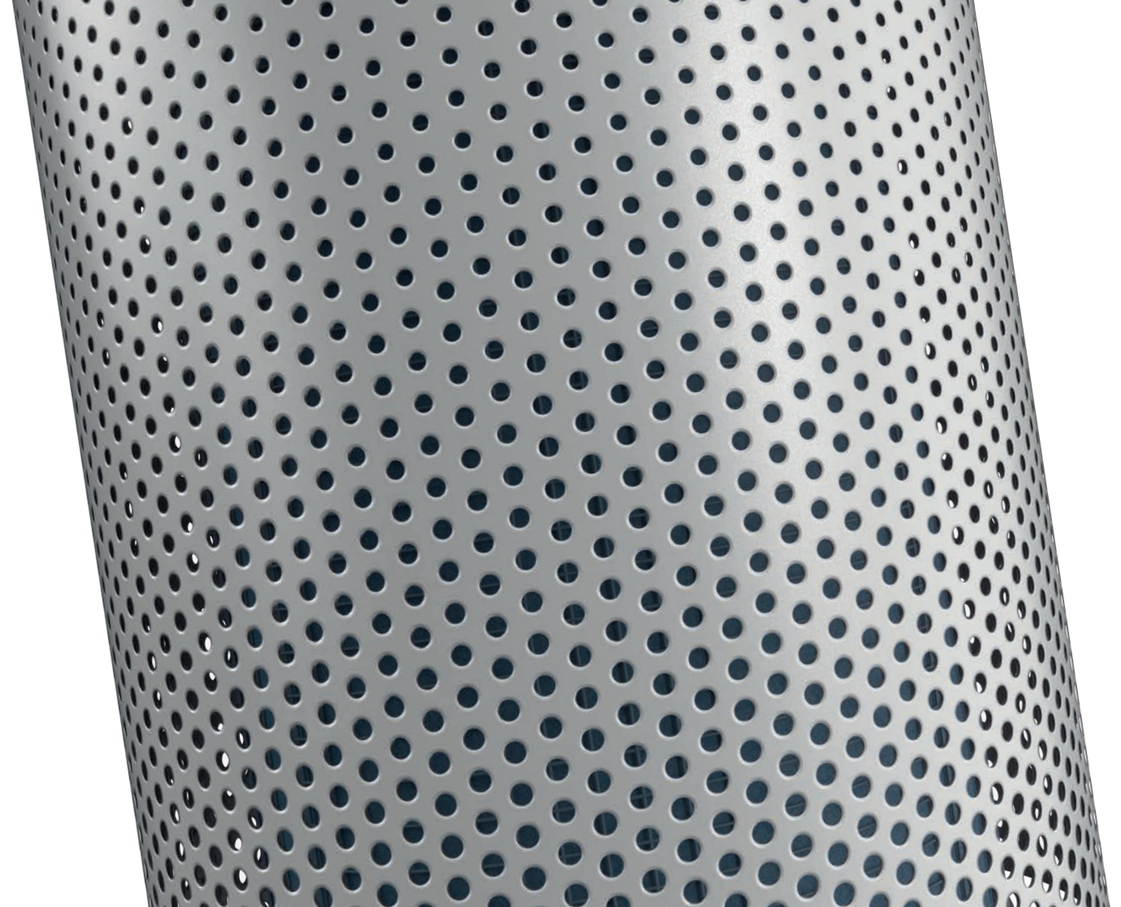
Pioneering Safer Dentistry

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 three-stage filtration process, it's quick, efficient and quiet, allowing you to work safely without disruption. Designed and developed for quality and longevity with widely trusted technology, DentAir gives you peace of mind, with the exceptional levels of service you can be sure of from Bryant Dental.

SciVision



High-performance air sterilisation technology

Just one mouth alone can be host to 350 different kinds of pathogens, which can disperse into the air during dental treatments – and stay floating 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 huge 600m³/hour clean air delivery rate (CADR) ensures that an average size dental surgery will be flushed every four minutes.

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

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Market-leading dental air purifying system

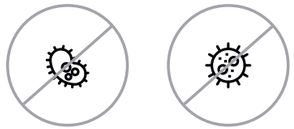
DentAir offers dental professionals a unique solution for sterilisation and filtration of air, improving quality and reducing the incidence of aerosolised viruses and bacteria.

360-degree intake

Unlike other air purification systems that only have three sides, DentAir has 360-degrees of inlet to draw in bioaerosol from all corners of the room, via 5,408 inlet holes. The air is drawn in through the bottom of the unit, decontaminated 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 13 filter reduces the noise levels to as low as just 28db, compared to other systems that have 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

Dental Matter

Pathogen

Carbon filter and HEPA filter

Our system has a carbon filter and HEPA filter working together to effectively remove harmful matter from the room and decontaminate dental aerosol. The pre-filter captures and filters larger particles, which are then passed through the high-density antimicrobial peptide filter and the carbon filter to remove other, smaller and harmful airborne matter.

Enhanced airflow

The average dental surgery is around 40m^3, and the DentAir system's airflow is 600m^3 per hour – this means our unit can cycle the air in a surgery once every four minutes.

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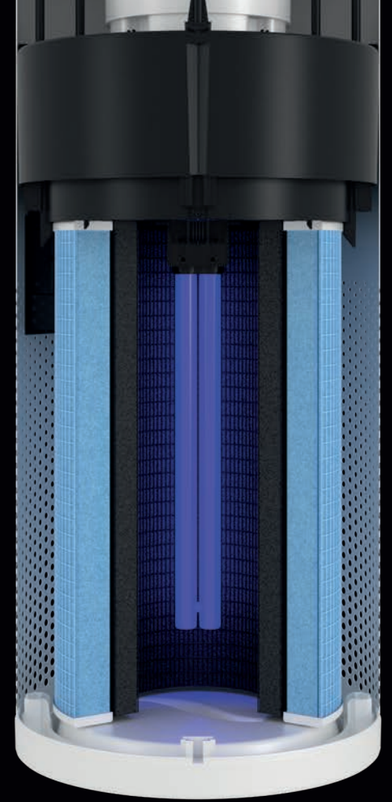
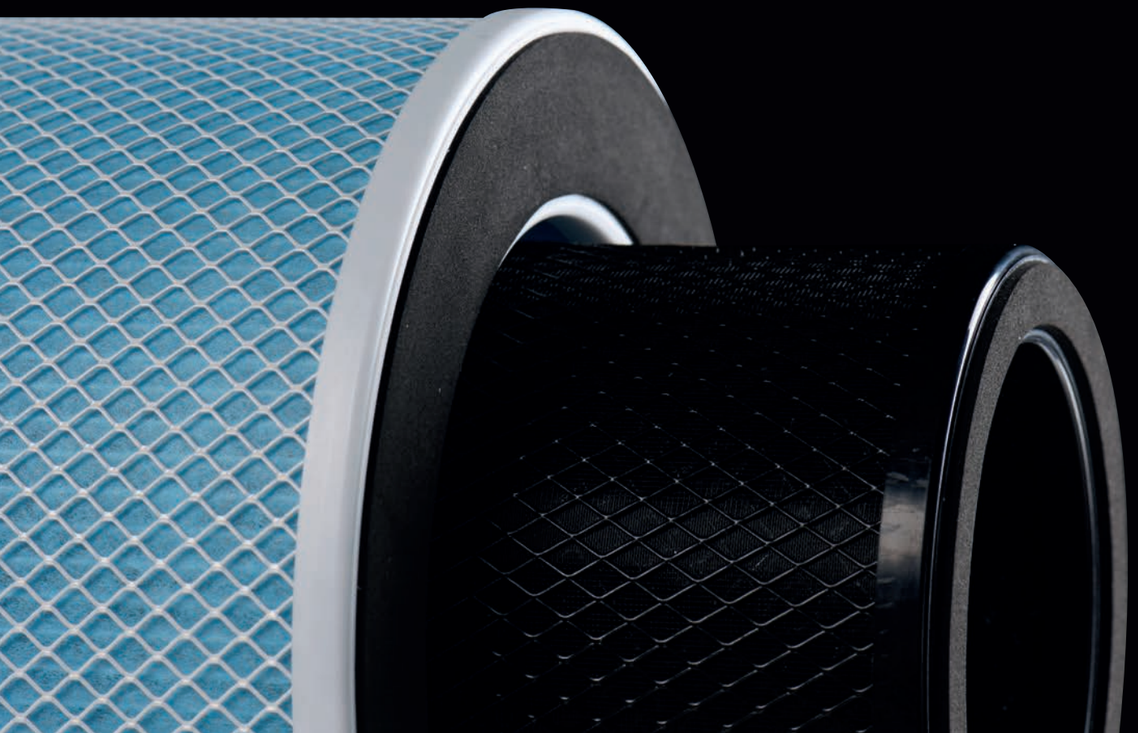


Enhanced UVC sterilisation technology

UVC sterilisation technology performs better when compared with other decontamination techniques such as Plasma and Ionisation (read our literature reviews for further details). The DentAir system boasts a unrivalled 24W tubule UVC lamp to kill off 99.99% of viruses and bacteria.

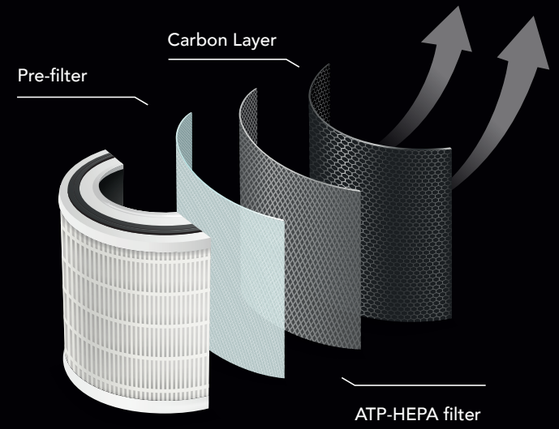
Using the energy of ultraviolet photons, UV rays from the lamp penetrate the cell membranes of microorganisms, viruses, bacteria and other pathogens. The UV energy destroys the DNA structure and nucleic acid molecules, inactivating them so they die and dissolve the contaminants the system has drawn in.



Superior filtration

The 3-in-one filtration system in DentAir offers exceptional efficiency both in terms of the speed at which air can be sanitised and the noise levels of the system. With a pre-filter, a HEPA 13 filter and an activated carbon layer working together, 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 carbon layer to eliminate harmful substances.
The result is the removal 99.95% of particles larger than 0.3µm.



The filter is simple to twist off and change in just ten seconds. However, 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. And, as it's housed within the UVC chamber, the HEPA filter is sterilised before you handle it.

Stylish & user-friendly design

The DentAir system has a sleek and minimalist design, so it blends in 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 – removing the burden of regulatory compliance.

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

Innovative app puts you in control wherever you are

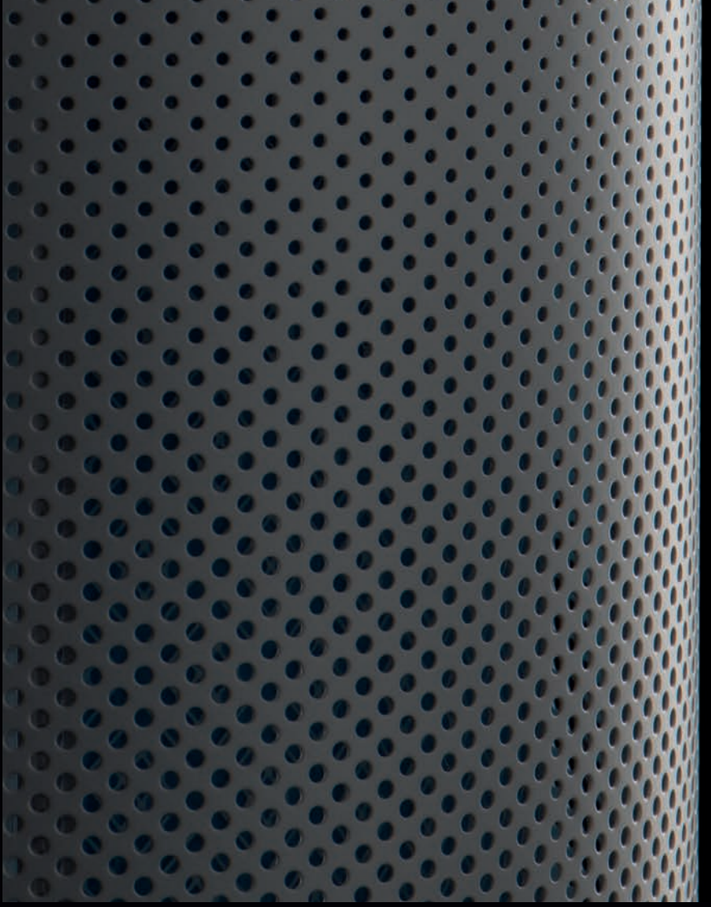
The DentAir system is fully app-enabled on both IOS and Android and wirelessly connects to your device to keep a log of your surgery air quality. You are able to remotely control, activate and switch off your unit from the convenience of your smartphone.

Download on the App Store

GET IT ON Google Play

Specification

Noise:	28-65db
360 Inlets:	Present
CADR:	600m³/hour
UVC lamp:	1 x 24W
Filters:	» Pre-Filter, HEPA 13, Activated Carbon » Pre-Filter: Non-woven Fabric Mesh » HEPA Filter Efficiency is 99.95% at 0.3µm or larger
Control panel:	Touchscreen + IR Remote
Fan Speeds:	4 + ReAKT Mode
App-Enabled:	IOS & Android ~~for Audit~~
ReAKT Technology:	Laser-Guided
Motor Technology:	NiDec Japan
Approvals:	CE, EMC, LVD.



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