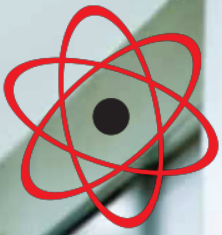


Presented by Airwave Europe Ltd



99%
KILL
RATE

huvair

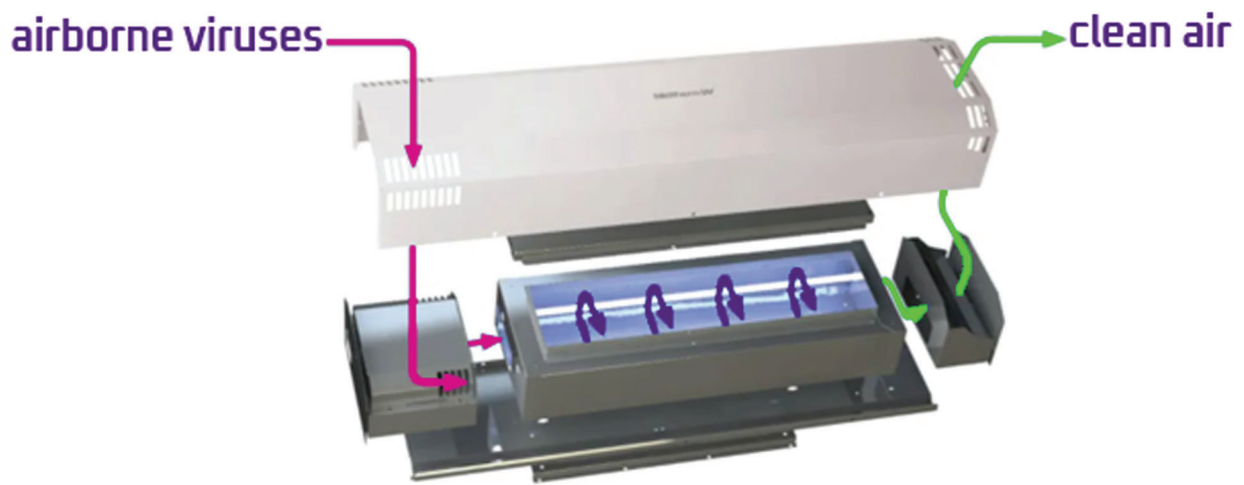
cleaning the air we share

FILTER FREE UV-C AIR SANITISER SOLUTION

- ✓ Kills airborne viruses including Covid-19
- ✓ Sanitises 250 cubic metres of air per hour
- ✓ Twin 9000 hour / 75w germicidal uv-c lamps
- ✓ Efficacy tested by University of Ireland & Aerogen
- ✓ Tested for safety by the NHS
- ✓ Simple wall mount installation
- ✓ Mobile floor stand available
- ✓ Designed and Manufactured in the UK



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HOW DOES THE AIR SANITISER WORK?

High powered fans draw the dirty air in to an enclosed chamber which is tuned to match the air flow and UV-C light output level, optimising the effectiveness at eliminating airborne viruses. As the air passes through the chamber the lamps deliver a concentrated dose of UV-C light removing coronavirus, flu viruses, common colds, bacteria, mould and viruses from the air that you, your customers and employees breathe in your shared spaces.





	E.coli		K.pneumoniae		S.aureus	
	Control	UV	Control	UV	Control	UV
CFU	656	1	654	2	608	7
	824	9	702	13	676	4
	692	4	528	10	423	3
Mean	724	4.666667	628	8.333333	569	4.666667
SD	88.45338	4.041452	89.86657	5.686241	130.9313	2.081666
% alive	100	0.644567	100	1.326964	100	0.820152
% SD	12.21732	0.558212	14.30996	0.905452	23.01077	0.365846
ttest	1	0.000148	1	0.000284	1	0.001721

HOW EFFECTIVE IS THE AIR SANITISER?

Efficacy testing has been completed by the National University of Ireland and Aerogen.

The summary results and visual indicators are shown above, the full test report is available upon request.

Test Report Conclusions

“As expected, we observed a 2 log reduction (within error margin) in CFU for each clinical isolate, including K.pneumoniae which is assumed to be more resistant to UV damage due to its thicker bacterial cell wall.”



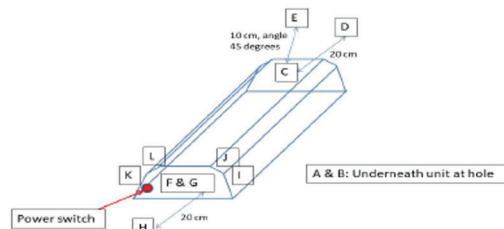
Test results

Irradiance measurements

Baseline date: 14/07/2020

Tube Location	Irradiance ($\mu\text{W}/\text{cm}^2$)	Dose ($\mu\text{Ws}/\text{cm}^2$)	Time to reach exposure limit (s)
In Hole (A)	5363	3,217,738	1.2
At Hole (Just outside) (B)	253	152,028	-
Air Out End (Close) (C)	0.17	99	-
Air Out End @ 20 cm from end (D)	0.04	25	-
Air Out End @ 10 cm from end, elevated and angle of 45 degrees to end (E)	0.12	74	-
Air In End (Front Grill) (F)	0.04	23	-
Air In End (Front Grill – Inside) (G)	0.12	72	-
Air In End (Front Grill) @ 20 cm from end (H)	0.02	14	-
Air In End (Right Side Grill) (I)	0.10	58	-
Air In End (Right Side Grill) Angulated Grill (J)	0.36	214	5,760
Air In End (Left Side Grill) (K)	0.16	97	-
Air In End (Left Side Grill) Angulated Grill (L)	0.15	90	-

Unit schematic with measurement locations indicated



HOW SAFE IS THE AIR SANITISER?

Safety testing by the Imaging Physics and Radiation Safety department at the Freeman Hospital, Newcastle Upon Tyne.

Tests concluded that the unit is considered safe based upon the maximum permissible doses specified in directive 2006/25/EC 5th April 2006 (Physical Agents Directive – artificial optical radiation). The report also shows the dosage of UV-C within the air sanitisation chamber is exceeding the level required to kill 99.9% of airborne pathogens. The full test report is available upon request.





**AIR FLOW
250m³/h**

huvair

cleaning the air we share

WHAT IS THE COVERAGE OF THE AIR SANITISER?

Each air sanitiser is capable of cleansing a maximum of 250 cubic metres of air per hour - equivalent to a 10 metre square space with a typical ceiling height of 2.5 metres.

The air flow rate is adjustable by the inbuilt rotary control allowing the user to reduce the throughput level to a minimum of around 100 cubic metres per hour. Reduced levels can be used at times of low occupancy or in smaller spaces. For larger spaces or areas with high occupancy multiple air sanitisers can be used for optimum effect.



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