

High capacity fan arrangement delivers air changes for famous University college

In the current climate especially, educational authorities are under pressure to ensure their premises comply with stricter health and safety guidelines including environmental quality indicators. As a result, all highly populated indoor areas are subjected to new air movement protocols to reduce the risk of virus transmission between students and staff.

For these reasons, the estates team of a well-known London university contacted our regional expert with the intention of hiring equipment that could drastically improve ventilation rates within corridors and other communal areas.

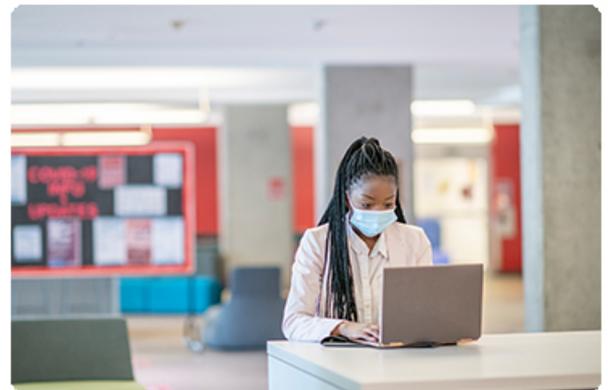
The client stipulated a need to deliver at least 4-5 air changes per hour and enquired about the possibility of us installing a ventilation hire solution that could provide this.

Scientific research indicates that a strong correlation exists between greater ventilation and a reduction in the spreading of infections between people, with equipment desperately required due to large numbers of students and lecturers passing through congested parts of the campus.

To ensure the desired air change rates could be delivered, we proposed the hire of several AF3900 ventilation fans. These lightweight and compact units were deployed outside the target applications, with large volumes of clean, fresh air directed inside via lengths of eight metre ducting.

We also installed several AC1600 air cleaners which operated alongside the fans to actively remove airborne contaminants via an advanced HEPA filtration system.

By leaving all kit to run continuously, the client was able to provide the necessary number of air changes and simultaneously enhance the safety of hundreds of people. Our client has been very complimentary about the solution we implemented, noting that the actual number of air changes delivered far exceeds the threshold originally outlined to our engineer.



Air flow (max) 3,900m³/h

Power supply 230 V 1 ph 50 Hz Run 1.6 A

Plug type BS1363 230 V

Duct length 16 metres x 300 mm (outlet only)

Noise level (max) 69 dBA / 87 LWA @ 3 Metres

Weight 16 kg

Dimensions 470 x 380 x 450 mm

Control Manual

Power consumption 368 W/h

IP rating IP55 (suitable for outdoor use)

