

Case study 712

Media centre demolition requires ventilation

When a demolition company were tasked with flattening walls four floors below ground level, it was essential that steps were taken to ensure clean air was provided and contaminants removed. The building in question belonged to a local newspaper publication in Birmingham and required deconstructive intervention that included the removal of pillars and pipework.

The project was bound by strict health and safety regulations which had to be closely followed to ensure those working on site were protected at all times. An Andrews Ventilation technician was able to devise a practical solution after conducting a site survey, where it was decided that deploying fans in a ground level car park would be the best way forward.

Two FV300 fans were used to push clean air downwards into the application via temporary lengths of ducting, providing workers with clean air throughout the duration of the project.

Four FV900 extraction units were then used simultaneously to push polluted air upwards. This temporary solution met the set criteria in providing a constant recirculation, where potentially harmful fumes were removed and replaced by fresh air from above.

By supplying our equipment immediately, all demolition works were completed ahead of schedule and carried out in a safe working environment. Printing machines and other metalwork was then removed from the premises which facilitated the redesign of a large open space.



Air flow (max) 19,000 m³/h
Power supply 415 V 3 ph 50 Hz
Plug type BS4343 3 ph 5 pin 16 A
Generator size 35 kVA
Duct length (max) 40 metres
Duct size Inlet 600mm Outlet 450mm
Noise level (max) 74 dBA @ 1m
Weight 465kg
Dimensions (mm) 1,552 x 1,152 x 1,965
Control Manual
Average power consumption 7.1 kW/h



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