



Maintaining safe environments

Smoke control in car parks

- Site-specific planned preventative maintenance packages
- Regulatory compliance and certification
- Comprehensive spares support
- UK-wide, 24/365 emergency call out within 4 hours available
- Remedial works and refurbishment projects
- Fire engineering consultancy, including design review, cause & effect and risk assessment

Smoke ventilation specialists

Objectives

- Day-to-day ventilation in enclosed spaces
- Control smoke movement in the event of a fire
- Clear evacuation routes
- Clear line of sight and access routes for safety crews
- Extract smoke and heat

Car parks can present significant challenges in terms of smoke control and fire safety, especially those that are enclosed or underground - this type of car park offers little in the way of natural ventilation and as a result requires a smoke control and fire safety system to provide smoke clearance for fire crews and evacuation routes.

Since vehicle fires often burn at extreme temperatures for up to 90 minutes due to the presence of highly flammable liquids and materials, system components and fittings are required to withstand sustained periods of extreme temperatures without compromising the integrity of the system as a whole.

EN regulation 12101-3:2003 states that each component should be capable of operating at temperatures of 300°C for up to two hours.

Airvent Services' comprehensive maintenance service can be perfectly tailored to the specific requirements of any underground or enclosed car park and even covers systems that have been installed by its competitors.

Its experienced engineers are skilled in maintaining all smoke control and fire safety systems and are on call 24 hours a day, 365 days a year – and with a 4 hour response time that covers the whole of the UK, you won't find a better service anywhere else.



Airvent's service packages cover a range of products and applications, ensuring that not only individual aspects are working properly, but that the system as a whole works together when needed.

Jet fans - energy-efficient and ducting-free, these fans are ideal for environmental control as well smoke safety, keeping air fresh and free from pollutants.

Extract systems - when a fire breaks out, jet fans can direct it around the structure to reach larger extract fans, removing it from harm's way.

Controls - a smoke safety system can only operate if its control system is in full working condition. Airvent can maintain any make of control unit, be it closed or open protocol.



Clients

Airvent Service' list of long-term service clients features some well-known consumer brands and prestigious names such as IKEA, Microsoft, Hilton Hotels and Resorts and Rolls Royce. These companies are extremely diligent when selecting their preferred specialist service provider/partners and they expect nothing less than the very highest standard of service support at very competitive prices.





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Printed upon 100% post consumer recycled paper,
using alcohol free processes

Designed and printed by horizondmi.co.uk