

### Overview

Fans serving car parks may run up to 24 hours a day, potentially giving rise to complaints of noise disturbance due to the 'hum' sound that could keep neighbours or local residents awake at night.

At Advanced Smoke, we design and build bespoke silencers specifically for extract fans. These designs all but eliminate the most noticeable and annoying feature of the fan noise, across the differing noise spectrums and can achieve sound pressure level reductions up to a massive 25dB, making the fan virtually inaudible at the nearest house.

Fan hums, drones and whines are a very common cause of industrial noise nuisance. A purpose-designed silencer is a noise control solution that can be fitted to any type of fan, providing the twin benefits of high noise reduction and very low flow resistance. Low flow resistance is important to avoid impairing fan suction or extraction performance.

To achieve a high noise reduction, common type's of industrial silencers usually have acoustic absorbent splitters located within the airflow, and this can create a very high flow resistance, increasing the load on the fan and lowering the fan airflow. A purpose-designed silencer avoids this problem; it can provide a higher noise reduction than a standard silencer and simultaneously with considerably lower flow resistance.



### Commissioning

All car park ventilation systems installed by Advanced Smoke group are comprehensively commissioned on site, including a demonstration of the system performance using cold smoke generation. Commissioning of the system is undertaken in line with BS7346: Part 7:2006.

### Bespoke Design

Where special risks exist or where there are particular issues that need to be addressed in relation to the application, Advanced Smoke engineers have the experience and knowledge necessary to undertake properly engineered solutions to assist in overcoming such problems. This experience includes the specialist ventilation of car parks including, stacker systems and the ventilation of loading bays and service roads.

### About

For over 20 years, Advanced Smoke Group Ltd has been providing innovative technical solutions in smoke ventilation for both natural and mechanical systems, over the UK and Europe.

**Contact us today on the details below to discuss your project needs and requirements**