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COOLING HEATING VENTILATION EXTRACTION

3 Types of Ventilation Systems for Warehouses and Factories



Healthy indoor air is crucial for maintaining employee health, wellbeing and productivity in all types of workplaces.

One of the best ways to manage the risks of airborne contamination in warehouses and factories is through industrial mechanical ventilation systems.

Here are three examples.

1. Filtering systems



- Fume extractors – extraction units such as those in the IPFC range use HEPA filters which is the highest standard for filtration on the market. HEPA filters capture very close to 100% of particulate matter down to 3 microns in size, making these systems ideal for meeting SafeWork guidelines for industrial processes such as welding and grinding. As these units are portable, they can be moved close to the source of the process for local area ventilation.
- Air scrubber purifier – this type of system uses a two-stage filtration process to remove contaminants that potentially carry viruses, bacteria and spores. It can be used to remove dust, dry out areas after wet weather, remove odours and prevent spores from spreading.



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2. Portable ventilators

There are several options for portable ventilation, including compact air blasters and coolers, purging fans and exhaust blowers. Here are some of the situations where these can be used.

- Confined spaces work – equipment such as mobile Mancoolers and compact air blasters are great for confined spaces, which makes them suitable for use in mining and tunnelling work.
- Rugged and harsh conditions – options here include highly portable and affordable Masterfans with ducting, as well as purging fans which offer a heavy-duty solution for pollution extraction and air supply.
- Hot industrial work – portable exhaust blowers can be used to deliver fresh air to confined spaces or to remove dust and toxic gases from harsh industrial work environments.

3. Fixed ventilation systems

Unlike portable ventilators that can be moved from one location to another, fixed ventilation systems are installed in place in the workshop or factory. These include:

- Axial flow fans – extractor fans in a range of sizes that can be bolted onto existing ducting.
- Industrial wall exhaust fans – offer a simple and economic extraction system that can be fitted into double-brick wall cavities.
- Hooded roof fans – high-quality steel and aluminium weatherproof units designed for factories and warehouses as well other building types.



The best ventilation system for your workplace depends on the size of your building, the number of workers, your industry, and the types of processes you use. To make sure you get the best solution, get in touch with our team.