

How to use Air Filtration

FACT SHEET 12

SUBJECT BEING ADDRESSED BY THIS FACT SHEET

How to use air filtration to
improve indoor air quality

WHO IS THE TARGET AUDIENCE FOR THIS FACT SHEET?

Facilities management
professionals, engineers, designers,
specifiers.

Next steps for the target audience

Air filtration alone is not a comprehensive solution. It should be combined with other strategies, such as proper ventilation, regular cleaning, and minimizing pollutant sources, to effectively improve indoor air quality.

THE FACTS

1. Choose the right air filters:

Look for air filters that meet the standards set by the British Allergy Foundation (BAF). These filters are designed to effectively capture a wide range of airborne pollutants commonly found in indoor environments.

2. Determine the appropriate filtration system:

Depending on your needs, you can opt for different types of air filtration systems. Some common options include standalone air purifiers, HVAC filters, or combination systems that integrate with your existing heating and cooling systems.

3. Install the air filtration system correctly:

Place the air filtration system in a location where it can efficiently filter the air. In the case of standalone air purifiers, position them in the rooms where you spend the most time or where pollution sources are prevalent. If you're using HVAC filters, ensure they are compatible with your system and installed correctly.

4. Regularly clean or replace filters:

Follow the manufacturer's recommendations on how often to clean or replace the air filters. Typically, this is done every few months, but it may vary depending on the specific filter type and usage. Regular maintenance ensures that the filters continue to effectively capture pollutants and maintain good airflow. Ensure contaminated filters are disposed of responsibly to avoid potential release of harmful substances.

5. Control pollution sources:

In addition to air filtration, address the sources of indoor pollutants. Take steps to reduce the presence of dust, mould, pet dander, and other allergens. Regularly clean and vacuum your indoor space, control moisture levels to prevent mould growth, and ensure proper ventilation.

6. Consider additional measures:

Depending on your specific needs, you may want to consider additional measures to enhance indoor air quality. These can include using dehumidifiers to control humidity, introducing houseplants that naturally purify the air, or employing air quality monitors to track pollutant levels.