

# **Purge Ventilation**

**Purge ventilation refers to the facility to change air within a room at a rapid rate, typically achieved by opening a window or using a mechanical system designed for quick air exchange. This method is particularly important in managing indoor air quality by rapidly diluting pollutants and moisture that accumulate during activities such as cooking or bathing.**

In the UK building and retrofit sectors, purge ventilation is often integrated into ventilation strategies to enhance indoor air quality. For instance, certain mechanical extract ventilation (MEV) units are equipped with a purge function that either activates an intermittent fan or boosts a continuous flow fan to increase air exchange rates temporarily. This feature is crucial in spaces prone to high humidity or pollutants, such as kitchens and bathrooms, where moisture can lead to mould growth if not adequately managed.

## **Practical Example**

In a typical UK home, a bathroom may use a mechanical extractor fan with a purge function. After a shower, the humidity levels rise significantly. The fan automatically boosts its operation to quickly remove the excess moisture, ensuring a comfortable environment and preventing potential damp issues. This functionality can be particularly beneficial in homes where windows are not routinely opened, thereby maintaining a healthy indoor atmosphere.