Why Don’t Trickle Vents Work & What is the Alternative?

Why Trickle Vents Don’t Work

At VENTI, we understand the importance of ensuring that a trickle vent free window can be installed whilst still providing optimal air quality for the property.

Trickle vents simply do not provide adequate ventilation for a modern home. This is due to **limited airflow** because of the size of the vent. They do not filter any of the **pollution or insects**. They let **noise** in to the building, offer no control of **levels of ventilation**. Worst of all they let **heat escape** from the room reducing the level of energy efficiency.

What are Trickle Vents?

For those not in the industry a trickle vent is the opening above the window that allows air to come in to the property. Our goal at VENTI is to give the manufacturer and the homeowner the options to not install trickle vents. Whilst still ensuring that your designs can pass Approved Document F (Part F) and you can breathe freely. We are dedicated to our belief that everyone should have access to clean and healthy air. The state-of-the-art ventilation systems are designed to ensure optimal air circulation, removing impurities and maintaining a comfortable atmosphere. With our innovative technology, you can enjoy the benefits of improved air quality, reducing allergens, odours, and

mould.

Why an MVHR is Better

When comparing Trickle Vents and Mechanical Ventilation with Heat Recovery (MVHR) it is important to note that they serve different purposes in terms of ventilation, and whether trickle vents should be replaced with MVHR depends on various factors, including the goals for indoor air quality, energy efficiency, and comfort.

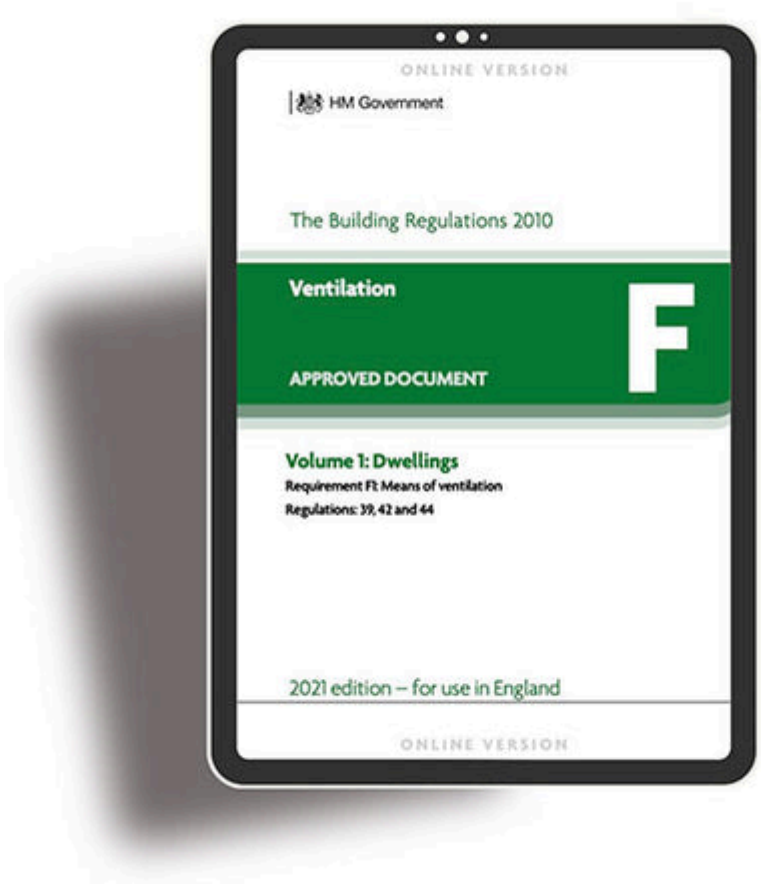
It's worth mentioning at this point that there are two type of MVHR system: centralised (whole house) or decentralised (single room) systems

Here are some reasons why one might consider replacing trickle vents with MVHR:

1. **Enhanced Air Quality**: A decentralised MVHR system like the FLUXO provides controlled, continuous ventilation with the ability to filter incoming air. This allows for better removal of pollutants, allergens, and particulate matter from the indoor air, contributing to improved air quality compared to trickle vents.
2. **Energy Efficiency**: MVHR systems recover heat from the outgoing stale air and use it to pre-heat the incoming fresh air. This heat recovery process can significantly reduce energy consumption for heating, leading to increased energy efficiency and potential cost savings compared to the passive ventilation provided by trickle vents.
3. **Temperature Control**: MVHR systems allow for precise control over the temperature of the incoming air, providing a more comfortable indoor environment. Trickle vents, on the other hand, rely on natural airflow and may lead to temperature fluctuations, especially in extreme weather conditions.
4. **Reduced Noise**: Trickle vents, when open, can allow outdoor noise to enter the building.

MVHR systems, with their controlled and filtered ventilation, can contribute to a quieter indoor environment.

5. **Condensation Control**: MVHR systems help manage indoor humidity levels, reducing the risk of condensation on windows and other surfaces. This is particularly important in preventing mould growth and maintaining the longevity of building materials.
6. **Compliance with Building Standards**: With Part F building regulations and standards being adopted there are far more stringent guidelines regarding energy efficiency and indoor air quality. MVHR systems may help buildings meet or exceed these standards.



7. **Increased Control and Automation**: MVHR systems can be equipped with smart controls, allowing for automated adjustments based on occupancy, outdoor conditions, and indoor air quality. This level of control is not achievable with trickle vents.

It’s important to note that the decision to replace trickle vents with MVHR depends on the specific needs of the building, the budget, and the overall ventilation strategy. Consulting with a ventilation expert at VENTI can provide tailored advice based on the unique characteristics of the space in question.

WHO

VENTI is a new player in the fenestration market, bringing a fresh perspective on the importance of ventilation in window and door manufacturing.

WHAT

VENTI's mission is to promote healthier living by delivering fresh air through efficient and continuous mechanical ventilation. We believe along with a majority of the population that unsightly and inefficient trickle vents do not ventilate a home effectively.

WHY

With Part F of the building regulation now in full effect, door & window companies cannot ignore the subject of ventilation. Ventilation is not a tick box, it's needed!

HOW

We have created a fully compliant, innovative product, the Fluxo, that delivers continuous mechanical ventilation. We are here to help door & window manufacturers escape the need of fitting trickle vents by referring their customers to VENTI or by re-selling this product.

We're here to support you every step of the way. If you have any questions or need assistance, feel free to reach out to our friendly customer support team. We provide you with exceptional service and ensuring your satisfaction with our products.