

# Ventilation in Fenestration: VENTI's Innovative FLUXO Solution



At The VENTI Group, we are excited to introduce ourselves as a new player in the fenestration market, bringing a fresh perspective on the critical importance of ventilation in window and door manufacturing. Our flagship product, the **FLUXO**, is designed to streamline the manufacturing process for producers. How are we achieving this? By presenting FLUXO as a superior [alternative to traditional trickle vents](#)! Through strategic partnerships with fenestration manufacturers, we aim to assist with compliance to Part F of the UK Building Regulations while promoting the benefits of continuous mechanical ventilation.

In this blog, we will explore:

- The significance of ventilation in fenestration
- The limitations of trickle vents
- The key benefits of FLUXO for efficient ventilation
- How The VENTI Group is leveraging our association with the [Coastal Group](#) to educate the market and transform living conditions and health through effective ventilation.

## Why Ventilation is Crucial in Fenestration

Ventilation is often perceived as a low priority within the fenestration industry, with many manufacturers focusing primarily on achieving weather and airtightness. However, ventilation is essential for maintaining healthy living conditions and preventing issues such as dampness and mould.

### Part F Compliance

The UK Building Regulations Part F outlines the requirements for building ventilation, including minimum airflow rates for habitable rooms and the necessity for background ventilation. Non-compliance with these regulations can lead to health issues, structural damage, and potential legal consequences.

## The Limitations of Trickle Vents

Trickle vents, which are small openings in windows or doors that facilitate passive ventilation, are a standard solution for meeting ventilation requirements. However, they come with several limitations that could be improved upon.

1. **Inconsistent Airflow:** Trickle vents rely on natural ventilation, which can be unpredictable and inadequate. In contrast, FLUXO is a mechanical ventilation system that actively moves air,

ensuring a consistent flow while maintaining optimal air quality and temperature.

2. **Noise and Drafts:** Trickle vents can introduce unwanted noise and drafts, causing discomfort for occupants and diminishing the overall effectiveness of the ventilation system. Conversely, FLUXO is designed to operate quietly and efficiently, providing a comfortable and healthy indoor environment.
3. **Compromised Airtightness:** The installation of trickle vents can undermine the weather and airtightness of windows and doors. Creating large openings in the frame may negate efforts to achieve high levels of thermal and air tightness. FLUXO, however, is a discreet and efficient solution that integrates seamlessly into any design without compromising the integrity of doors and windows.

Check out our article on why [trickle vents don't work for today's housing](#).

## Key Benefits of FLUXO for Efficient Ventilation

FLUXO is a revolutionary mechanical ventilation system that offers numerous advantages over traditional trickle vents:

- **Reliable Fresh Air Flow:** It provides a consistent and reliable flow of fresh air, helping to maintain a healthy indoor environment and preventing issues like dampness and mould.
- **Energy Efficiency:** FLUXO is designed to be energy efficient, significantly reducing heating and cooling costs. It employs a heat exchanger that recovers up to 90% of the heat from outgoing air, using it to warm incoming air. This means less energy is required to maintain a comfortable indoor temperature.
- **Aesthetic Integration:** FLUXO is discreet and unobtrusive, allowing for seamless integration into any room. It ensures an aesthetically pleasing look, avoiding the disruption often caused by traditional trickle vents.

## Leveraging the Coastal Group and Educating the Market



As a sister company to the Coastal Group, we are uniquely positioned to utilise our existing reputation and market presence. We are leveraging this advantage to reach a broader audience and establish ourselves as a credible and innovative player in the fenestration market.

We are passionate about educating the market on the benefits of continuous mechanical ventilation. Through FLUXO, we eliminate the need for inefficient traditional trickle vents, providing a superior solution for ventilation. Our cutting-edge systems are paving the way for a healthier and more sustainable future.