

Does PIV Make Your House Cold?

Yes, a Positive Input Ventilation (PIV) system can make your house feel cooler because it draws in air from outside, often from unheated spaces like lofts. This can lower indoor temperatures during colder months. However, systems like FLUXO offer a superior alternative that maintains comfort while improving air quality.

Understanding PIV Systems

Positive Input Ventilation (PIV) systems are designed to enhance indoor air quality by introducing fresh air into your home. They typically pull air from outside or unheated spaces, filter it, and distribute it throughout living areas. While they improve air quality, they can lead to a cooler indoor environment, especially in winter.

How PIV Works

1. **Air Intake:** PIV systems draw air from the loft or outside.
2. **Filtration:** The incoming air is filtered to remove pollutants and allergens.
3. **Distribution:** Filtered air is pushed into living spaces.

Temperature Considerations

The air supplied by PIV systems can be significantly cooler than desired indoor temperatures, particularly in winter. This is due to the reliance on outside air, which may not be adequately heated.

The Drawbacks of PIV Systems

- **Cooler Indoor Temperatures:** The introduction of cold air can make homes feel uncomfortable during colder months.
- **Limited Heat Recovery:** Traditional PIV systems do not retain heat effectively, leading to energy inefficiency.
- **Potential for Mould:** If not managed properly, the cooler air can lead to condensation and mould growth in certain areas.

Introducing Fluxo: A Superior Alternative

What is Fluxo?

Fluxo is a continuous mechanical ventilation system designed to provide balanced air movement in your home. Unlike traditional PIV systems, FLUXO offers several advantages that enhance comfort and indoor air quality.

Benefits of Fluxo Over PIV

1. **Continuous Fresh Air Supply:** Fluxo provides a steady flow of fresh air without the drafts associated with PIV systems, ensuring a comfortable indoor environment.
2. **Heat Recovery:** Fluxo incorporates an innovative heat exchanger that retains over 82% of the heat from outgoing air, significantly reducing heat loss and maintaining indoor temperatures.
3. **Balanced Ventilation:** It alternates between supplying fresh air and extracting stale air,

ensuring optimal air quality without compromising comfort.

4. **Energy Efficiency:** With low running costs (approximately £5 per unit per year), Fluxo is more energy-efficient than many PIV systems.
5. **Aesthetic Design:** The sleek design of Fluxo units integrates seamlessly into modern homes, avoiding the unsightly appearance of traditional vents.
6. **Reduced Noise Levels:** Fluxo operates quietly, with sound levels starting from just 10 dB, making it ideal for bedrooms and living spaces.

How Fluxo Works

1. **Air Cycle:** FLUXO operates on a 70-second cycle, drawing in fresh, filtered air from outside before reversing to extract stale air.
2. **Heat Exchange:** The heat exchanger captures heat from the outgoing air, warming the incoming air, which reduces the chill felt in colder months.
3. **User Control:** An optional switch allows for an extract-only mode, perfect for quickly cooling overheated rooms.

Mitigating Cold Effects with Fluxo

To further enhance comfort while using Fluxo, consider these strategies:

1. **Optimise Heating Systems:** Ensure your heating system complements the FLUXO's operation, maintaining comfortable indoor temperatures.
2. **Regular Maintenance:** Keep the system well-maintained to ensure optimal performance and efficiency.
3. **Utilise Sensors:** If available, use sensors to adjust the system based on occupancy and air quality needs.

Conclusion

While PIV systems can introduce cooler air into your home, solutions like FLUXO provide a more effective alternative. By offering continuous fresh air supply, heat recovery, and energy efficiency, FLUXO ensures a comfortable living environment without compromising air quality.

For a healthier and more comfortable home, consider upgrading to a VENTI FLUXO system—experience the difference in air quality and comfort today!