

Air Curtain Installation at Large Logistics Warehouse

A large logistics warehouse in Bristol faced a significant challenge with temperature fluctuations in their reception area, especially during the cold winter months.

To address this, they installed three T-Series air curtains, which have successfully stabilised the temperature, ensuring a comfortable environment for both employees and visitors.

The Challenge.

The reception area of the logistics warehouse is a high-traffic zone, frequently exposed to external weather conditions due to the constant flow of employees and visitors. This led to dramatic temperature fluctuations, making it difficult to maintain a consistent and comfortable indoor climate. The fluctuating temperatures not only affected the comfort levels but also had implications for energy consumption and efficiency.

The Solution.

The warehouse opted for Thermoscreens' T-Series air curtains, known for their effectiveness in creating a thermal barrier between two environments. To align with the aesthetic of the reception area, the air curtains were custom manufactured in a blue colour that perfectly complemented the existing design of the space. The air curtains were strategically positioned to cover the main entry points in the reception area, ensuring optimal performance.

The primary objectives of the installation were to:

- Minimise temperature fluctuations.
- Enhance comfort for employees and visitors.
- Improve energy efficiency by reducing the workload on the HVAC system.



Implementation.

The installation process was straightforward and was completed successfully. The air curtains were mounted above the main entrances of the reception area. Once installed, they began operating immediately, creating an invisible barrier that prevented the influx of cold air, while preventing the loss of conditioned internal air.

The Results.

The impact of the T-Series air curtains was evident almost immediately. The temperature in the reception area became consistent, significantly enhancing the comfort levels for both staff and visitors. Employees reported a noticeable improvement in the indoor climate, and there was a marked reduction in the energy needed to heat the reception area, leading to cost savings.

The success of this installation has prompted the company to consider expanding the use of air curtains to other parts of the distribution centre, specifically the large doors in the warehouse area, to further enhance climate control and energy efficiency.



Conclusion.

The installation of T-Series air curtains at the logistics warehouse has proven to be a highly effective solution for managing temperature fluctuations in the reception area. By providing a consistent and comfortable indoor climate, the air curtains have not only improved the working conditions but have also contributed to energy savings. The custom blue colour has seamlessly integrated with the aesthetic of the space, showcasing that functional solutions can also be visually appealing. This successful implementation is a testament to the effectiveness of air curtains in high-traffic commercial environments.



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