

Cost effective energy saving air curtains that create an invisible door that keeps heat or cold inside buildings

Summary

Profile type	Company's country	POD reference
Technology offer	Netherlands	TONL20230706030
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Rita ELSTE - TOMSONE	6 Jul 2023 5 Jul 2024	6 Jul 2023

General Information

Short summary

A Dutch company has developed circular and cost-effective air curtains that create an invisible door at entrances of buildings or spaces. With its precisely adjusted air velocity and capacity, they give protection throughout the opening and provide the most efficient separation with the lowest possible energy consumption, regardless of whether it is the heat or the cold that you want to keep inside. Commercial agreement is offered to retail, industry, utility companies and municipalities.

Full description

This company offers circular and cost-effective air curtains that create an invisible door at entrances of buildings or spaces and can provide several benefits.

Indoor climate: The aircurtains can create a comfortable indoor climate: Air curtains help create a comfortable indoor environment by maintaining the desired temperature and reducing drafts near entrances.

Energy Efficiency: These air curtains are designed to provide efficient separation between indoor and outdoor environments, minimizing energy consumption. They can effectively retain heat during cold weather or keep cool air inside during hot weather, reducing the need for excessive heating or cooling.

Versatility in Installation: The air curtains can be mounted visibly, adding value to the interior of the space. Additionally, concealed mounting is also possible for a more discreet installation.

Suitable for Various Environments: The air curtains are suitable for a range of environments, including retail, industry, utility companies, municipalities, superstores, shopping malls, and more. They offer flexibility for entrance doors of different sizes and can be used in both smaller premises and wider entrances with higher installation heights.

Industrial Applications: In industrial settings, where working near large doors can result in a cold and draughty environment, these high-performance air curtains can significantly improve the working conditions. They can help reduce energy losses, resulting in financial savings for the company.

Cold Storage Benefits: Air curtains can be used in cold rooms or cold storage facilities without the need for additional heating. By minimizing energy losses, they help maintain the correct temperature inside the storage area, protect delicate products, and improve accessibility for people and vehicles.

Overall, these circular and cost-effective air curtains offer a solution for creating an invisible door at entrances, providing comfort, energy efficiency, and protection for various industries and environments. The company is looking for commercial agreements with technical assistance with among others: retail, industry, utility companies, municipalities, superstores and shopping malls.

Advantages and innovations

Based on a standard door with electric heat exchanger:

- Cost reduction: between 60-80%;
- Performance increase: 50-80%;
- Cost/watt EUR/watt): electricity +/- €0,25;
- Return-on-investment: 2 year.

Other advantages:

- easy to install;
 - customer friendly;
 - BMS (Building management System) or weather controlling (more savings).
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Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR granted

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 11: Sustainable Cities and Communities**

Partner Sought

Expected role of the partner

The company is looking for partners retail, industry, utility companies, municipalities, superstores and shopping malls to implement this companies solution in the framewokr of a commercial agreement with technical assitnace. The airtcurtains can be custommade as well

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **SME <=10**
- **Other**
- **SME 11-49**
- **Big company**

Dissemination

Technology keywords

- **004006001 - Energy management**

Targeted countries

- **World**

Market keywords

- **08005 - Other Industrial Products (not elsewhere classified)**
- **09004008 - Other manufacturing (not elsewhere classified)**

Sector groups involved

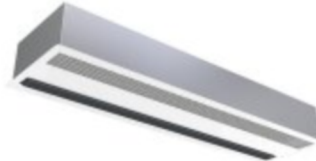
- **Renewable Energy**

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