



Shop &
Business

SHOP & BUSINESS

DESIGN

INDUSTRIES



TEDDINGTON
LUFTSCHLEIERANLAGEN

DOORS
MADE OF AIR.



LOTS OF MOVEMENT...

... results in a great amount of lost energy.

Doors are opened all the time in the Shop & Business area in particular, and therefore consume a great deal of energy. This results in high energy costs and unpleasant draughts.

Teddington air curtain systems reduce these effects to a minimum while at the same time guaranteeing a comfortable atmosphere.



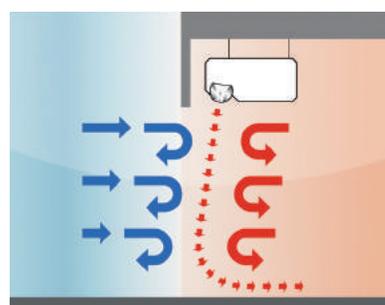
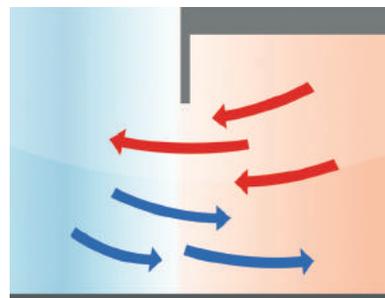


AIR CURTAINS ARE THE ANSWER.

The task of an air curtain system is to prevent unpleasant incoming cold air in the entrance area, and this is achieved using a counter-current.

In order to generate optimal use and comfort, the volume flow rate, speed, temperature and momentum must correspond to the force of the incoming cold air.

It's not a trick, just physics.



HIGH LEVEL OF EFFICIENCY



ENERGY SUSTAINABILITY



OUTSTANDING QUALITY



FOR ANY DOOR. FOR ANY SIZE.

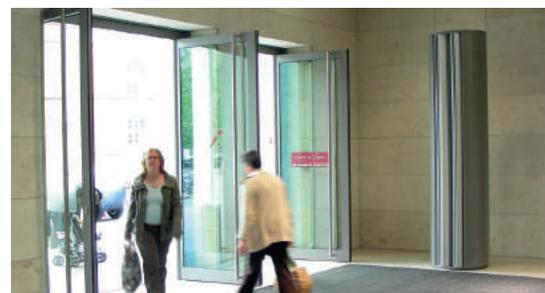
Because they are so efficient, Teddington air curtain systems pay for themselves in a very short time, enabling you to save money. Day in, day out.

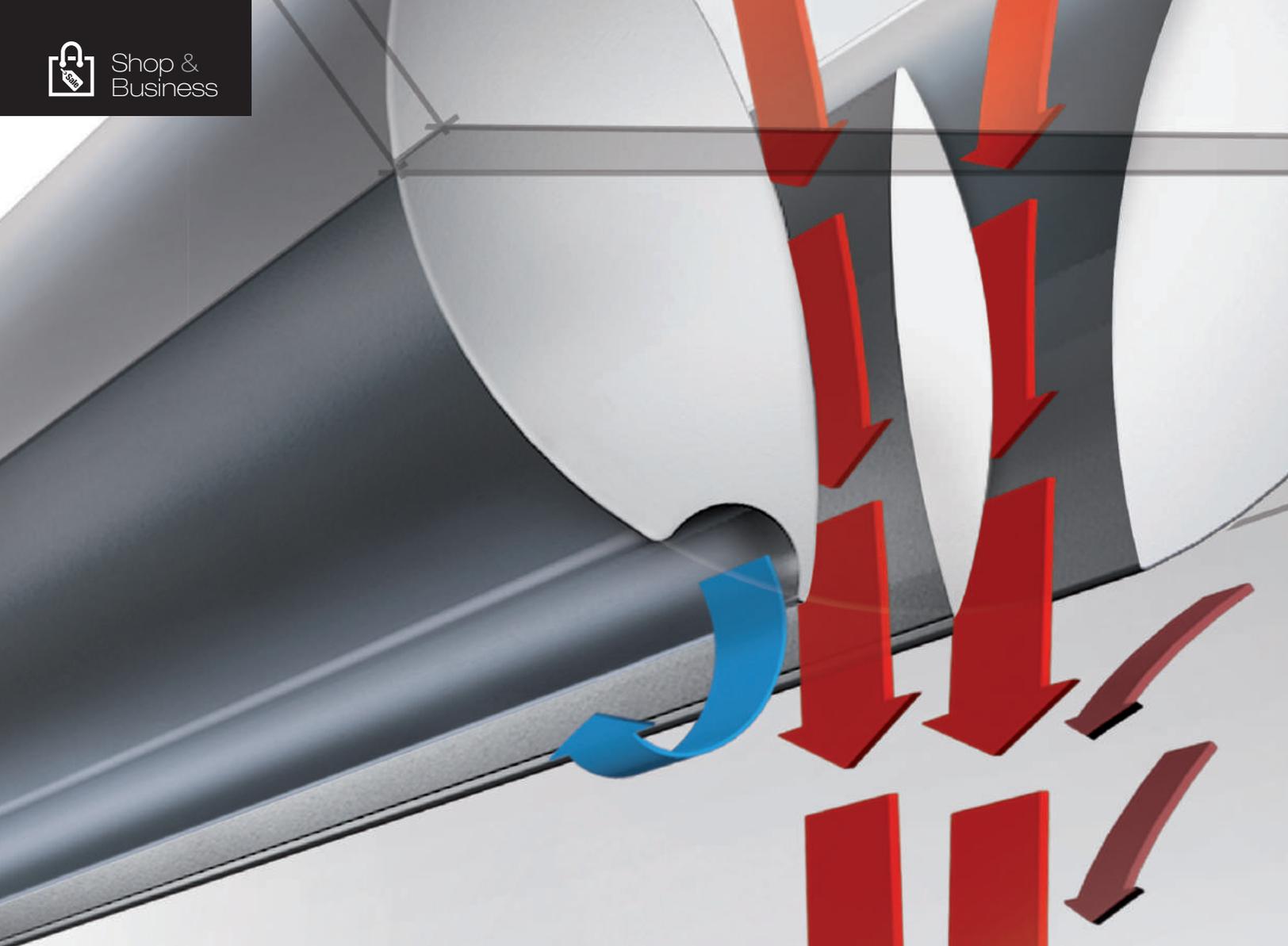


LOOK GOOD. GREAT SCREENING.

Teddington air curtain systems offer the greatest efficiency. They save energy, reduce costs and simultaneously improve the comfortable atmosphere in the Shop & Business area, e.g. in:

- **Shops and salesrooms**
- **Shopping malls**
- **Hotels and airports**
- **Banks and office buildings**
- **Hospitals**
- **And many other buildings**





THE CONVERGO® SYSTEM

THE TECHNOLOGY MAKES THE DIFFERENCE.

Our patented CONVERGO® pressure chamber nozzle system is based on the Venturi principle. In addition, aerofoil shaped profiles divide the jet of air into a core jet and a support jet, and then bring it back together again. A fillet on the outer nozzle profile deflects the unwanted proportions of outdoor air, while the “soft” edge on the inside of the nozzle profile brings about the desired induction of indoor air into the air curtain.

The result is a powerfully directed jet of air that enables high and wide doors to be screened using little energy.



The discharge angle of the CONVERGO® system may be finely adjusted to adapt the air curtain to local conditions.

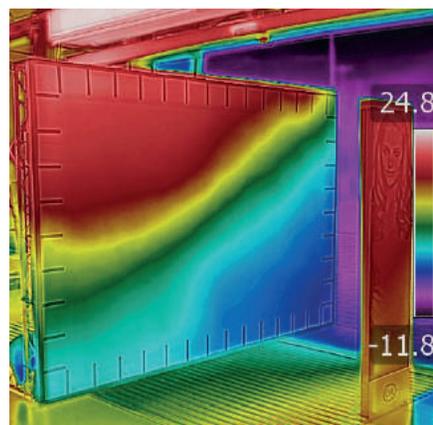


HIGH SAVINGS POTENTIAL

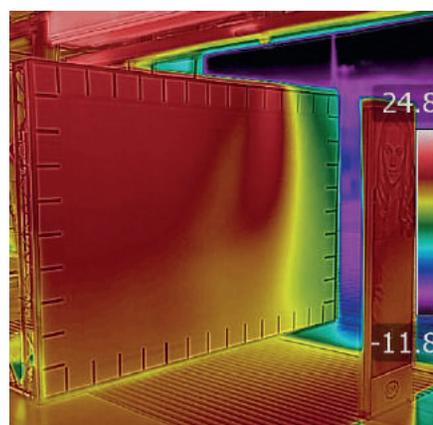
Teddington air curtain systems are pioneering when it comes to effectiveness and reliability under demanding conditions.

CFD simulations conducted on our customers' premises by the Institute for Air Handling and Refrigeration (ILK) in Dresden as well as various tests in our laboratories provide convincing evidence of the efficiency of our devices fitted with the patented CONVERGO® pressure chamber nozzle system.

On the right you can see the excellent screening performance of an air curtain system in a store with around 400 square metres of sales space. The doors covered by the air curtain system are 2.20 m high and 2.00 m wide, and the air curtain system is installed at a height of 2.50 m and width of 2.50 m. The temperatures on a clear, calm day were 8 °C outside and 20 °C inside.



without air curtain system



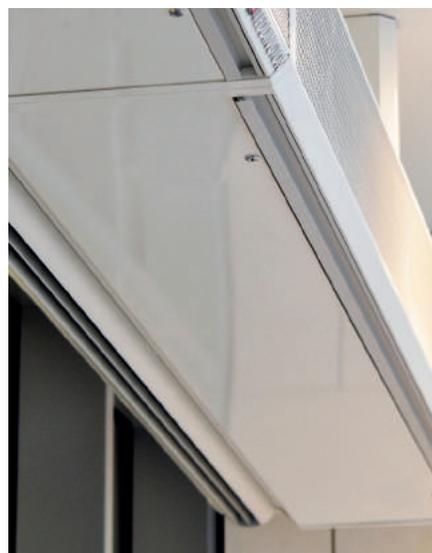
with air curtain system

PRACTICAL EXAMPLE

Consumption at a retail outlet in an urban location without an air curtain was 57,120 kWh per annum. With a Teddington E-Series air curtain system with the CONVERGO® system, consumption fell to around 35,000 kWh – a saving of more than 22,000 kWh.

To put this into context, this would provide all of the electricity required by a family of four for around 4.5 years.

Annual CO₂ emissions are reduced by over 5 tons.





THE RIGHT SOLUTION FOR EVERY SITUATION.

A unit from our standard range is often exactly the right solution. Simple and effective, cost-efficient with lasting functionality.

The “one size fits all” principle does not always work, however, because the laws of physics are rarely willing to compromise.

A number of individual factors regarding the respective installation situation need to be taken into consideration for an air curtain system to work properly and achieve the desired energy-saving effect.

It is good to be able to trust an experienced partner when making this decision. We use all of our expertise to analyse your situation, and offer you the ideal solution for your requirements.

And we will produce an individual system for you if the situation so requires. Precisely tailored to your needs.

What thermals prevail in the building?

What wind load impacts on the entrance area?

What is the size of the door area to be screened?

What kind of installation would you like?

**www.teddington.de
You can find our product configurator
and lots of useful information here.**



WE HAVE THE RIGHT MODEL FOR EVERY INSTALLATION SITUATION.

Various models of air curtain units are manufactured to suit structural conditions or the customer's wishes. Examples are visible wall or ceiling installation, installation in a suspended ceiling with the underneath of the unit visible, with the air roll rotating inwards or outwards, integration in a suspended ceiling and many other permutations.

We would be happy to advise you about the technical options available.



S model



U model



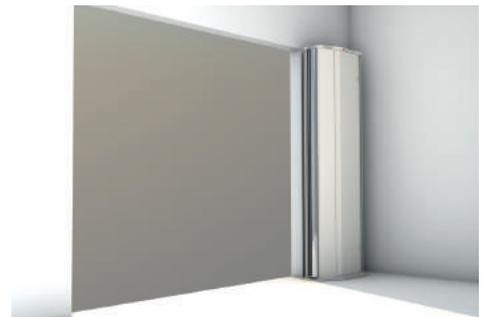
UDB model



Z model



R model



R vertical model

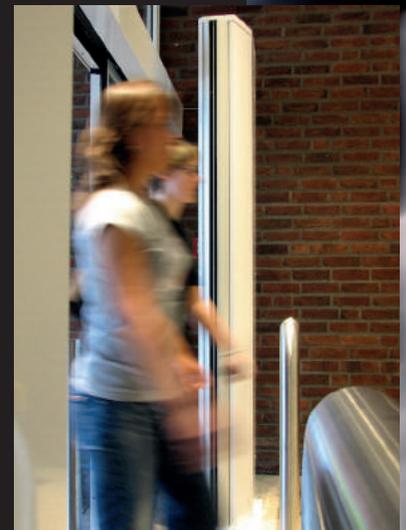


Shop & Business

No area does more to influence a visitor's first impression than the entrance.

And nothing is more important in the Shop & Business area than a pleasant atmosphere that invites visitors to spend time there.

Teddington air curtain systems combine a comfortable atmosphere with the greatest energy efficiency.





OUR PRODUCTS FOR SHOP & BUSINESS



E-Series



SUPERIOR TECHNOLOGY.

The E-Series sets new benchmarks when it comes to effectiveness, energy efficiency and functionality.

The E-Series is characterised by future-oriented technology, high quality and good workmanship, maximum flexibility and pioneering design.



Silent E-Series



PLEASANTLY QUIET.

This unit is the right solution when you need absolute peace and quiet. The Silent devices are fitted with highly effective soundproofing and silent motors.



C-Series



EFFICIENT AND ECONOMICAL

Future-oriented technology, high quality and workmanship together with maximum flexibility make the C-Series a reliable allrounder for any situation.



A-Series

SIMPLY RELIABLE

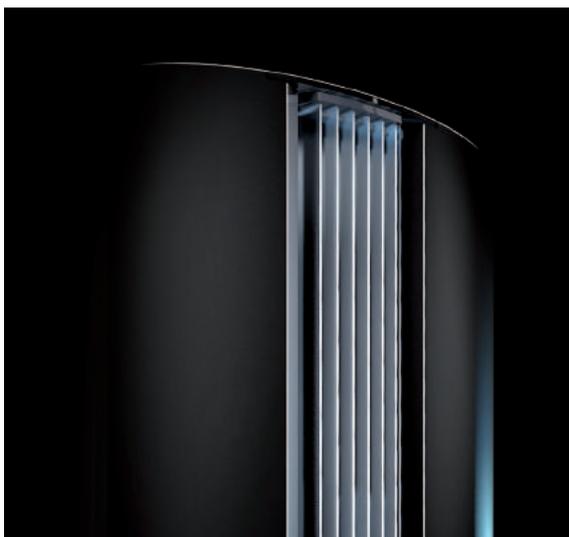
The A-Series is fitted with the CORRIGO® air discharge system, enabling the air curtain to be adapted to suit your individual entrance situation.



P-Series

THE INTRODUCTION TO AIR CURTAIN TECHNOLOGY.

With the P-Series you can pivot the air discharge element in both directions, thereby individually adapting the air curtain to local conditions.



T-Series

VERTICAL AND ATTRACTIVE.

The T-Series is a special model for vertical installation. The perfect symbiosis between design and technology.







E-Series

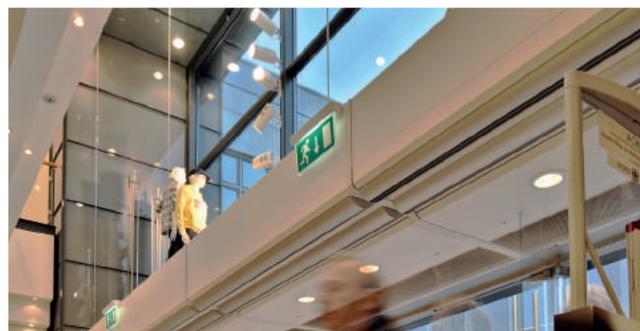
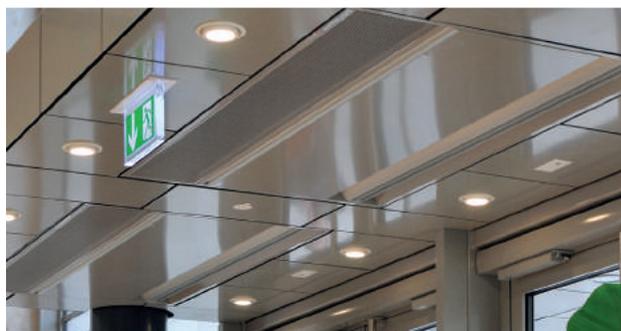
SUPERIOR TECHNOLOGY.

The E-Series represents the consistent pooling of Teddington know-how resulting from many years of development. It sets new benchmarks when it comes to effectiveness, energy efficiency and functionality.

Future-oriented technology, high quality and good workmanship, maximum flexibility and pioneering design make the E-Series the top air curtain technology product. It also achieves energy savings of more than 80 % compared to unprotected entrances, and is suitable for individual lengths of up to 300 cm. Installation situations with a maximum height of 4.40 m are possible.



The technical data can be found online or in our technical data folder.



Silent E-Series

PLEASANTLY QUIET.

The Silent E-Series model from Teddington is the right solution when you need absolute peace and quiet. Examples are hotels, the business area, hospitals, libraries ...

The Silent devices are fitted with highly effective soundproofing and silent motors. Despite their very high screening performance, they make almost no noise.

As with the E-Series, the Silent E-Series is available in various lengths of up to 300 cm.



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C-Series

EFFICIENT AND ECONOMICAL.

The C-Series enables you to adapt the air curtain perfectly to suit your individual entrance situation. It permits energy savings of up to 80 % compared to unprotected entrances, and a reduction in heating energy of over 40 % compared to conventional air curtain units using lamella technology.

The C-Series offers a reliable screening solution for installation heights up to 3.30 m.



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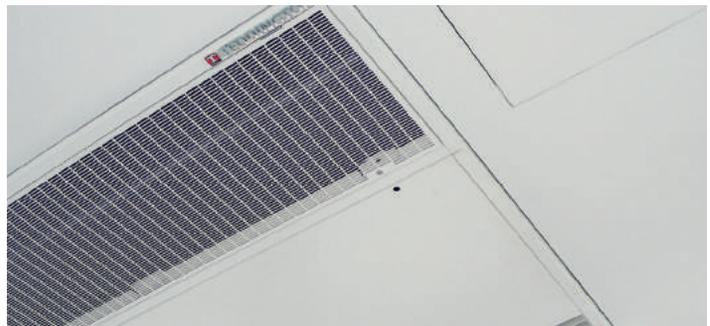
A-Series

SIMPLY RELIABLE.

The A-Series from Teddington sets price/performance benchmarks for all Shop & Business applications. These high-end devices with lamella technology adapt precisely to the conditions on site and help you to save energy efficiently and reliably and to protect the environment. These units are the smart solution for the efficient screening of door heights of up to 3.25 m.



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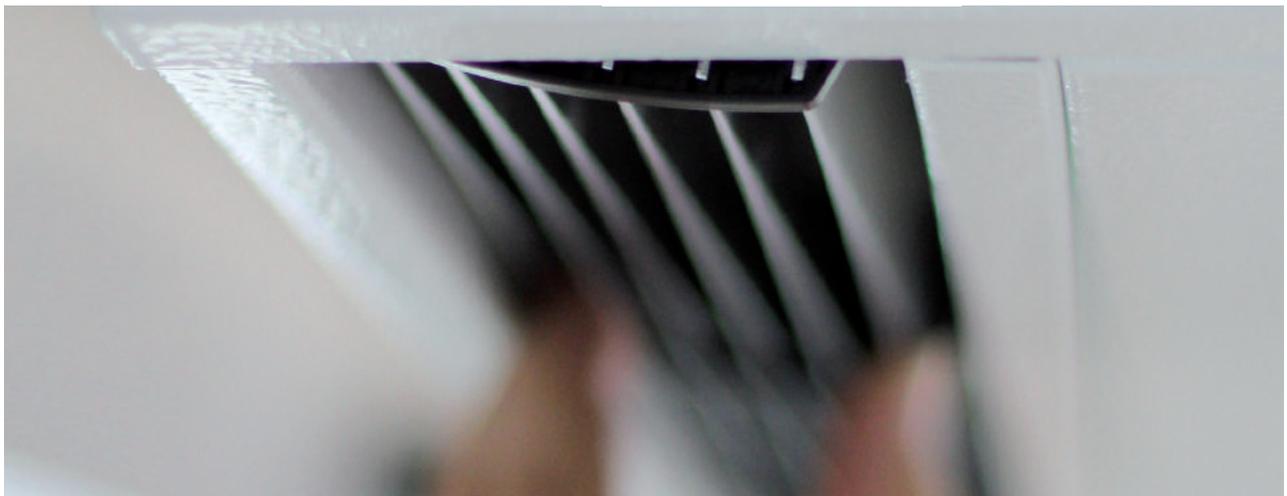
P-Series

THE INTRODUCTION TO AIR CURTAIN TECHNOLOGY.

The P-Series is the entry model for air curtain technology. These units offer solid screening for door heights of up to 3.00 m. The filter-free design helps make it a low maintenance option.



The technical data can be found online or in our technical data folder.







T-Series

VERTICAL AND ATTRACTIVE.

Air curtain systems in the T-Series are designed for vertical use where great importance is attached to appearance. The filter-free design also means the T-Series is low maintenance.



The technical data can be found online or in our technical data folder.



QUALITY IN PROCESSES AND PRODUCTS

- Sound advice during the planning phase
- Decades of experience in design and production
- Modern production facility
- Individual test protocols
- Provision of digital planning data
- Reliable service whenever and wherever you need support
- ISO-certified in accordance with 9001:2015





FAMILY-OWNED AND INDEPENDENT.

Since presenting the first air curtain system developed in Germany, we have continued to set pioneering trends and benchmarks.

As a non-affiliated family enterprise, we are the oldest German manufacturer on the market, and to this day develop and manufacture our products exclusively at the Buchholz (Mendt) site. Flat hierarchies, short decision-making channels and in-house manufacturing at our own premises directly benefit our customers.



Thomas Hennecke



Stephan Hennecke



NATIONALLY AND INTERNATIONALLY WELL-POSITIONED.



TEDDINGTON
AIR CURTAIN SYSTEMS

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