



Design



SHOP & BUSINESS

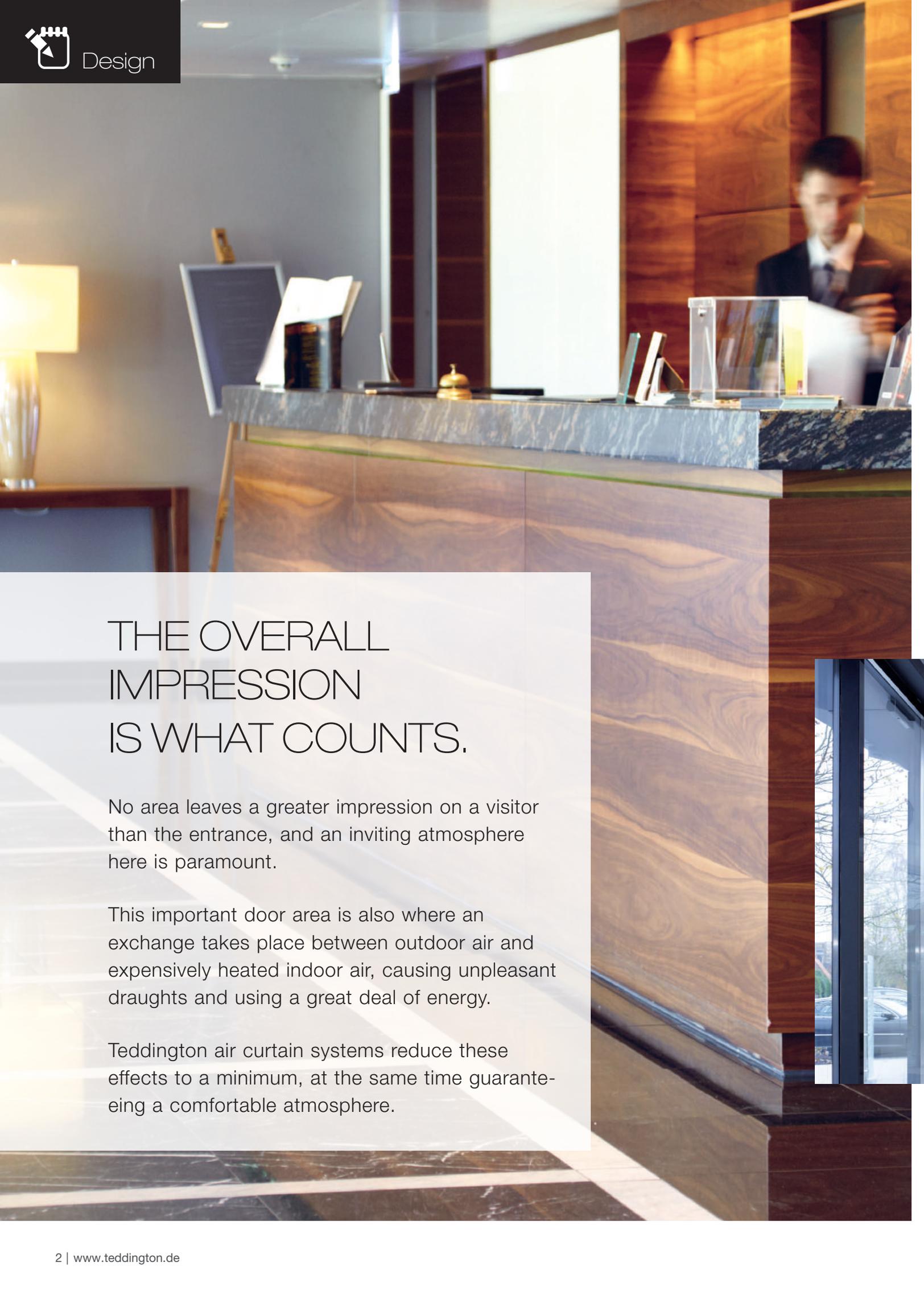
DESIGN

INDUSTRIES



TEDDINGTON
LUFTSCHLEIERANLAGEN

DOORS
MADE OF AIR.



THE OVERALL IMPRESSION IS WHAT COUNTS.

No area leaves a greater impression on a visitor than the entrance, and an inviting atmosphere here is paramount.

This important door area is also where an exchange takes place between outdoor air and expensively heated indoor air, causing unpleasant draughts and using a great deal of energy.

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

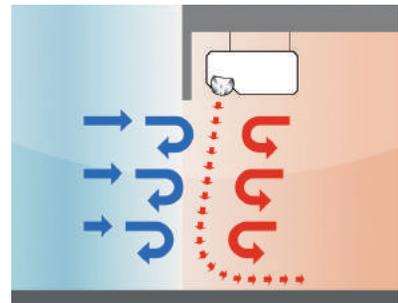
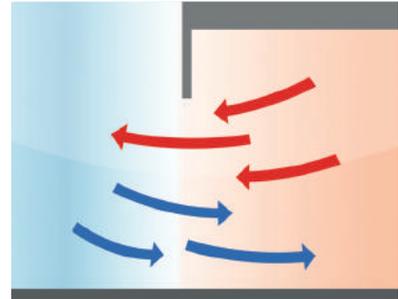


AIR CURTAINS ARE THE ANSWER.

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

ENERGY-SAVING TECHNO- LOGY IN AN ELEGANT CASING.

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.



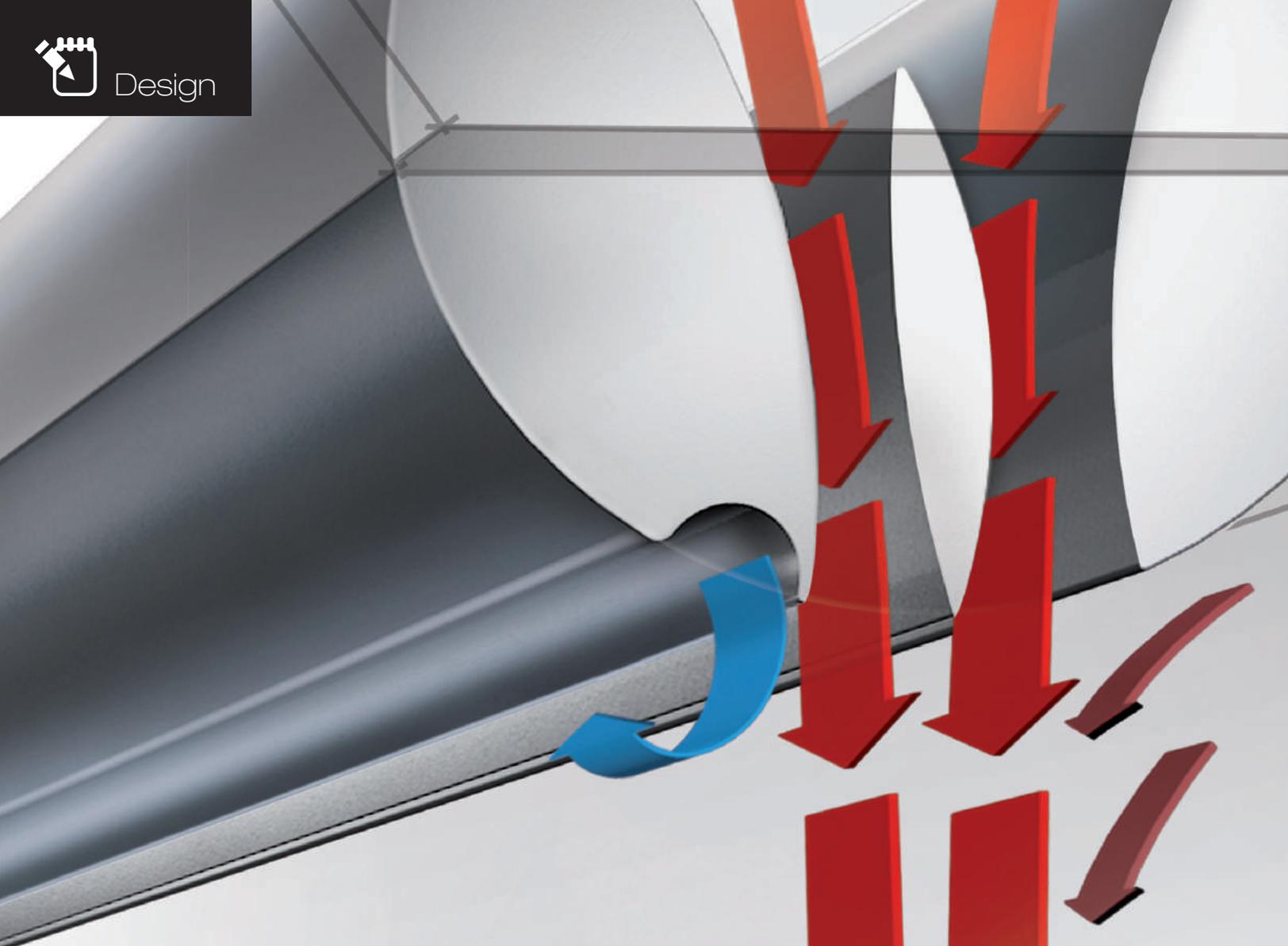


DESIGN FOR HORIZONTAL AND VERTICAL INSTALLATION.

Nothing can be allowed to interfere with perfect appearance in a sophisticated environment. The air curtain systems must meet the highest design standards, for example in the following places:

- **Hotels and airports**
- **Banks and office buildings**
- **Museums and libraries**
- **Shopping malls**
- **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.

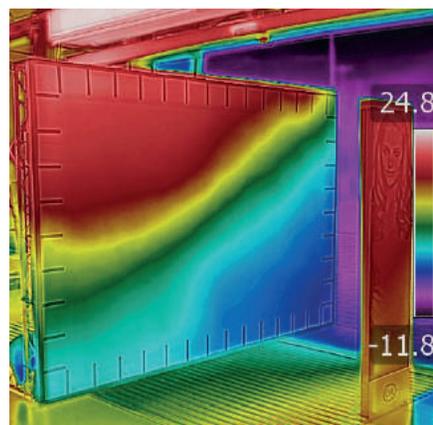


HIGH SAVINGS POTENTIAL

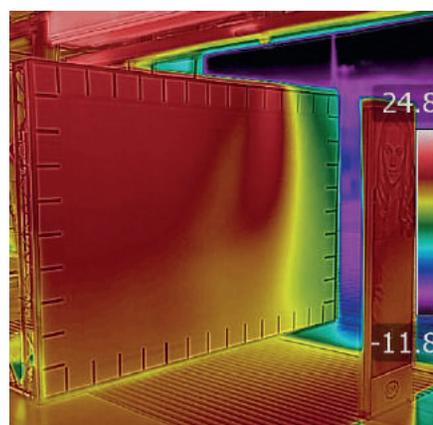
Teddington air curtain systems are pioneering when it comes to effectiveness and reliability under demanding conditions.

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 drugstore without an air curtain was 34,681 kWh per annum. With a Teddington air curtain from the Ellipse range with the CONVERGO® System, consumption fell to around 17,000 kWh – a saving of more than 17,000 kWh.

To put this into context, this would provide all of the electricity required by a family of four for around 4.25 years.

Annual CO₂ emissions are reduced by over 3.5 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.

We are your partner, and provide support from the planning to the commissioning stage.

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.

We will be happy to advise you about technical options available.



Swing doors



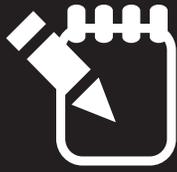
Automatic sliding doors



Curved sliding doors



Revolving doors



Design

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

Demanding situations call for special solutions. Teddington offers devices with an exclusive design for the places where air curtain systems need to meet the highest aesthetic standards. Premium surfaces, high quality materials and the finest workmanship.





OUR PRODUCTS IN THE DESIGN AREA

HORIZONTAL INSTALLATION



Delta



The devices with their aerofoil shaped housing lend a modern look to all application sites that have high aesthetic standards.



Ellipse



The devices are available in an oval and flat elliptical shape. Both housing designs with their soft curves offer a timeless design that blends harmoniously into any setting.



Rondo

Rondo is an air curtain specifically for horizontal installation and permits the perfect integration of revolving doors.



VERTICAL INSTALLATION



Charisma

Stylish, unobtrusive and powerful at the same time. The perfect symbiosis between design and technology.



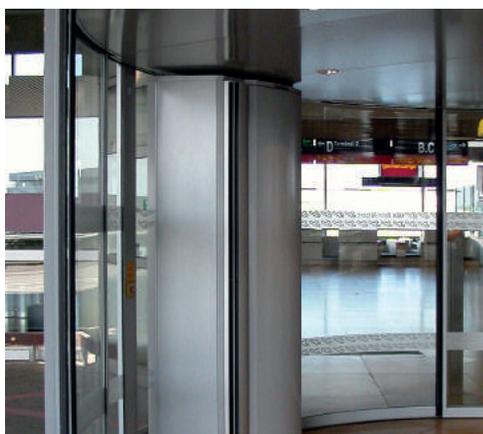
Saphir

The air curtain housing is adapted to the shape of the curved sliding door, enabling the Saphir devices to nestle discreetly and neatly against the door.



Topas

Topas, the flat, vertical air curtain, is the right choice if space in the entrance area is restricted.



Sintra

The Sintra air curtains are in principle identical in construction to Topas. They are used specifically for curved sliding doors.







DELTA

With their aerofoil shaped housing, the Delta range of design units lend a modern look to all application sites that have high aesthetic standards.

The devices for horizontal installation can be used in installation lengths of between 100 and 300 cm above swing doors and above automatic sliding doors.



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



ELLIPSE

The Design air curtains in this range are available in an oval and flat elliptical shape.

Both forms of housing offer a timeless design that blends harmoniously into any setting. These devices can also be used in installation lengths of up to 300 cm above swing doors and automatic sliding doors.

The functionality and design of the Ellipse range are rounded off by individual coatings or a modern stainless steel finish as well as optional extras such as integrated LED spotlights.



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









RONDO

The Rondo range of Design devices has been specifically created for use with revolving doors. Depending on the installation situation, there are versions for integration in or on the door rim.

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CHARISMA

The Design devices in this range represent the perfect link between sophisticated technology and a stylish look and feel. Different versions are available to suit your preferences.



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...OTIK
HARIAL NEHRU







SAPHIR

Saphir, the slim column-mounted air curtain, has been designed to be positioned at the side of revolving and curved sliding doors.

Due to its rounded shape, the housing adapts to the revolving doors.



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TOPAS

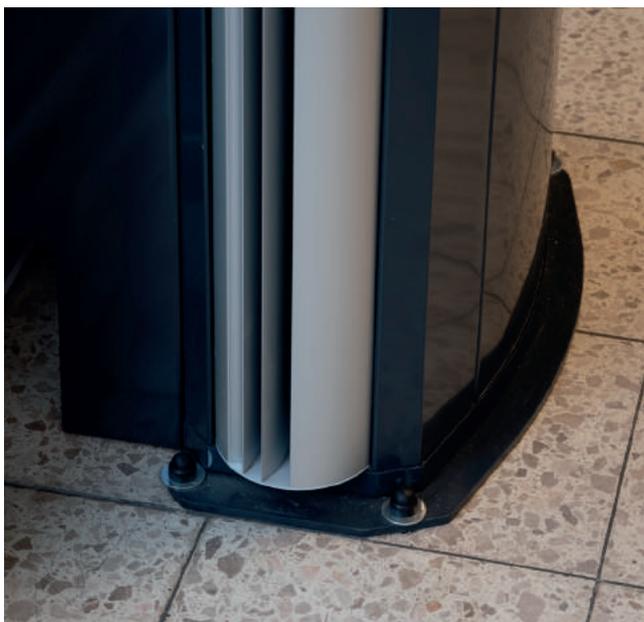
Topas, the flat, vertical Design air curtain, is the right choice if space in the entrance area is restricted.

The space-saving column-mounted air curtain nestles against the side of the door and remains discreetly in the background. It therefore forms a harmonious unit with the sliding door without taking up much space.

The Topas devices are available in three performance categories for doors ranging from small to large.



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SINTRA

The flat Design air curtains in this range can be deployed wherever space to the side of the doors is greatly restricted – for example in corners.

This construction also means the devices are ideally suitable for use with curved sliding doors, where they can be positioned inside the door to save space.



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APPLICATIONS WITHOUT LIMITS.

We have perfected the “Doors made of air” principle and developed several applications with it.

Energy-saving air curtain systems are used in the following places:

- **Shops and salesrooms**
- **Public buildings**
- **Shopping malls**
- **Industrial buildings and logistics centres**
- **Banks and office buildings**



You can find our product configurator on our website at www.teddington.de/en



Shop &
Business



Design



Industries

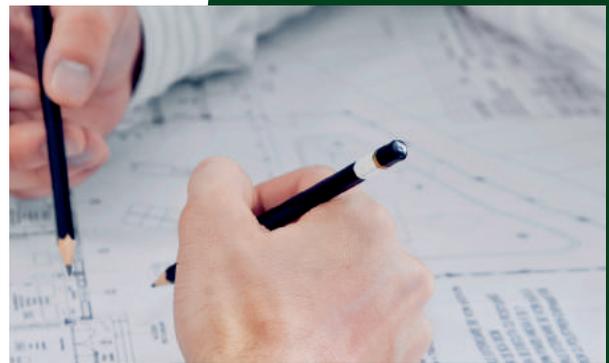


Manufacturing



QUALITY IN PROCESSES AND PRODUCTS.

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



On request we can also carry out commissioning with optimum settings for your building and requirements.



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 CURTAINS SYSTEMS

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