

HEATING
UNITS

HEATING UNITS

AIR
CURTAINS

AIR CURTAINS

HANDLING

AIR
UNITS

HEAT

RECOVERY UNITS

AIR
CURTAINS

AIR CURTAINS

HEATING

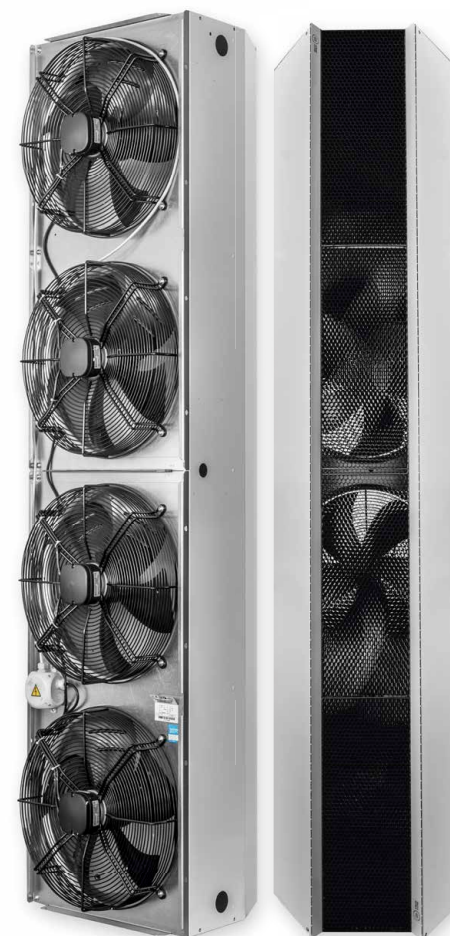
UNITS

HEATING UNITS



INDESSE

Simply the best



AIR CURTAIN

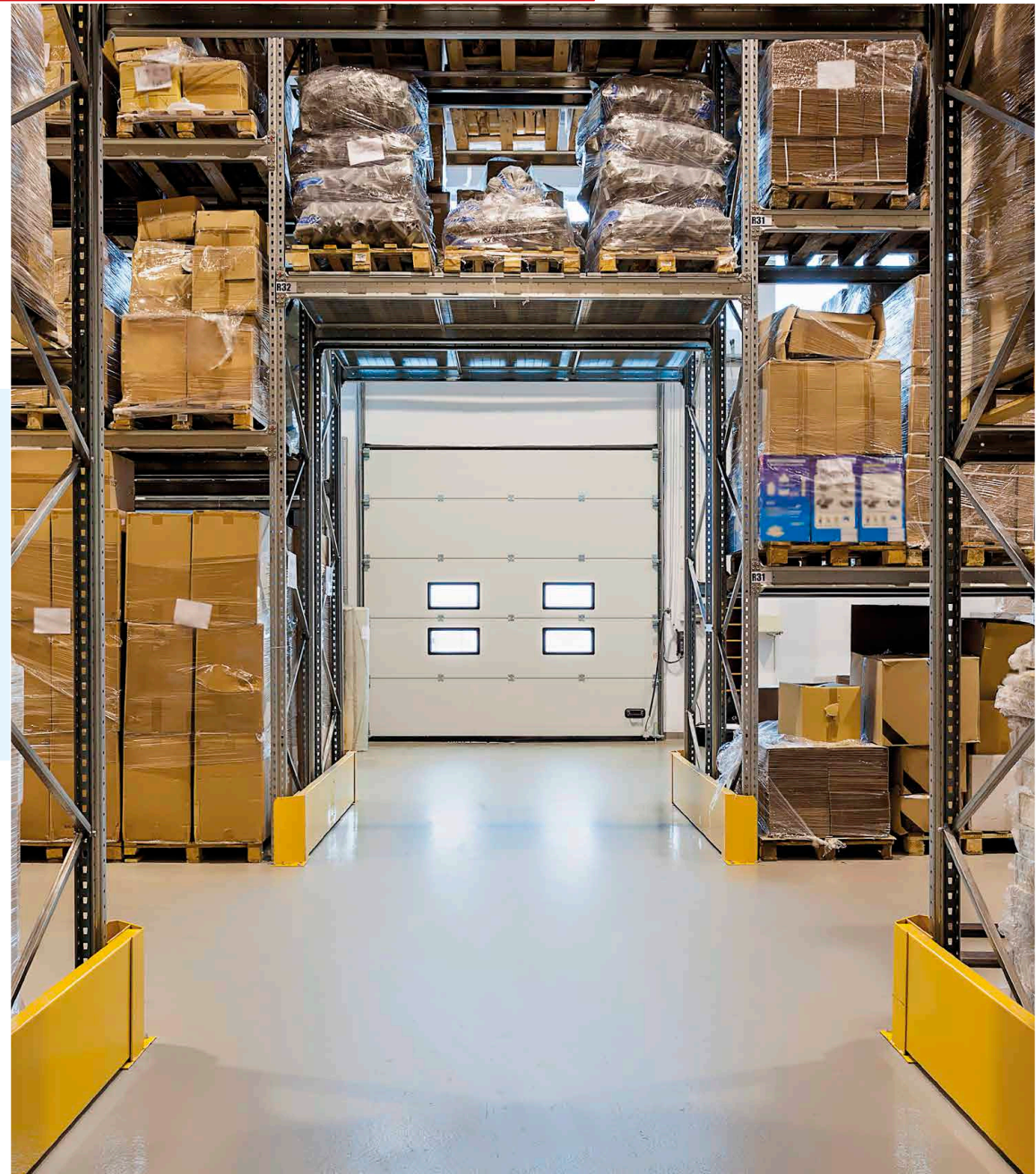
INDESSE: SOLUTION TO SAVING ENERGY AND PROVIDING COMFORT

Large distribution centres, warehouses and manufacturing facilities are equipped with loading bay doors which are open several times a day, or in some cases permanently. This leads to waste of energy and excessive financial costs.

OPEN DOOR EFFECTS

- waste of energy
- heat loss
- financial loss
- discomfort

The installation of a well-designed air curtain reduces heating or cooling costs and prevents drafts. A properly installed air curtain serves as a barrier against negative influences from the outside such as: pollution, bad smells, insects. Separation of outside and inside air using air curtain technology creates an **ideal indoor climate** and ensures enhanced comfort.



INDESSE: THE PURPOSE OF AN AIR CURTAIN

How does it work?

Air curtains are a type of ventilation equipment which create an air stream that acts as an air barrier separating the internal and external environments. When they are equipped with heating capability, air curtains provide an additional heating source.

Air curtains are designed to ensure thermal comfort in interior spaces where there are often open doors due to increased movement of persons or equipment handling.

SUITABLE FOR USING IN:


- Warehouses
- Production areas
- Distribution centres
- Cold storage



The installation of a well-designed air curtain reduces heating or cooling costs

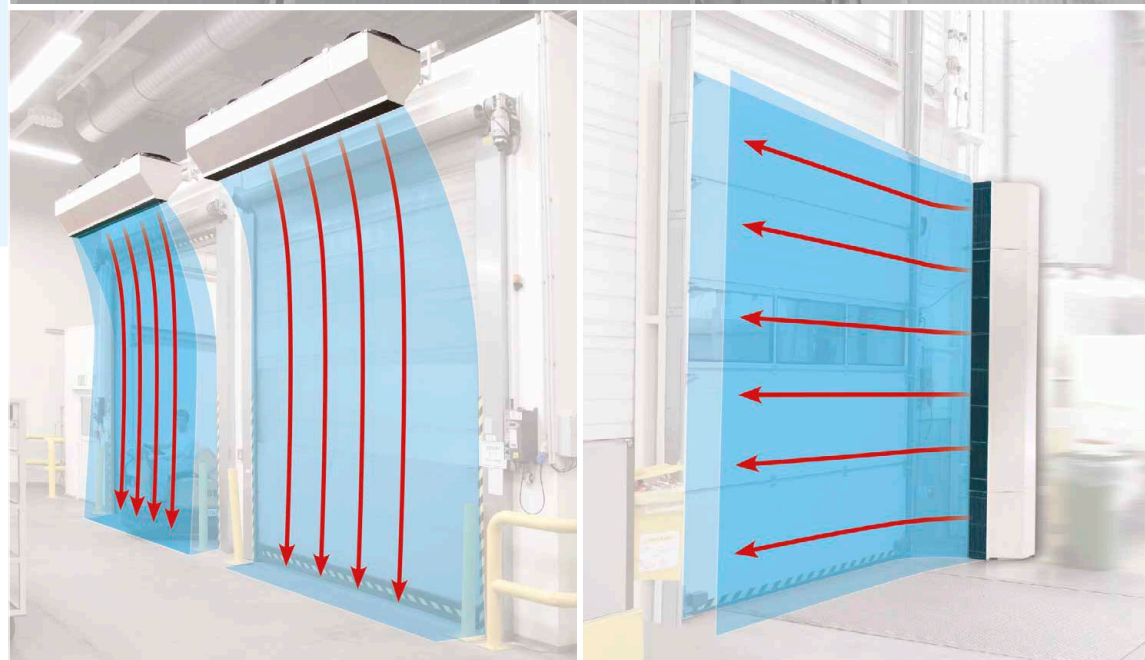
WAREHOUSES – PRODUCTION AREAS – DISTRIBUTION CENTRES

Installation of **2VV INDESSE** Air Curtain helps to keep an ideal temperature condition inside the building throughout the whole year. In winter, **INDESSE** prevents the penetration of cold air from the outside and in summer prevents the penetration of hot air from the outside and leakage of cold (conditioned) air from the inside. This brings significant energy and money savings.



INDESSE Air Curtains do not only help maintain comfortable temperature conditions, but also prevent against ingress of insects, smoke, dust and other contaminants.

In most industrial facilities it is often necessary to leave the entrance door open for extended periods of time, this leads to great heat dissipation and disruption of thermal comfort inside the building.

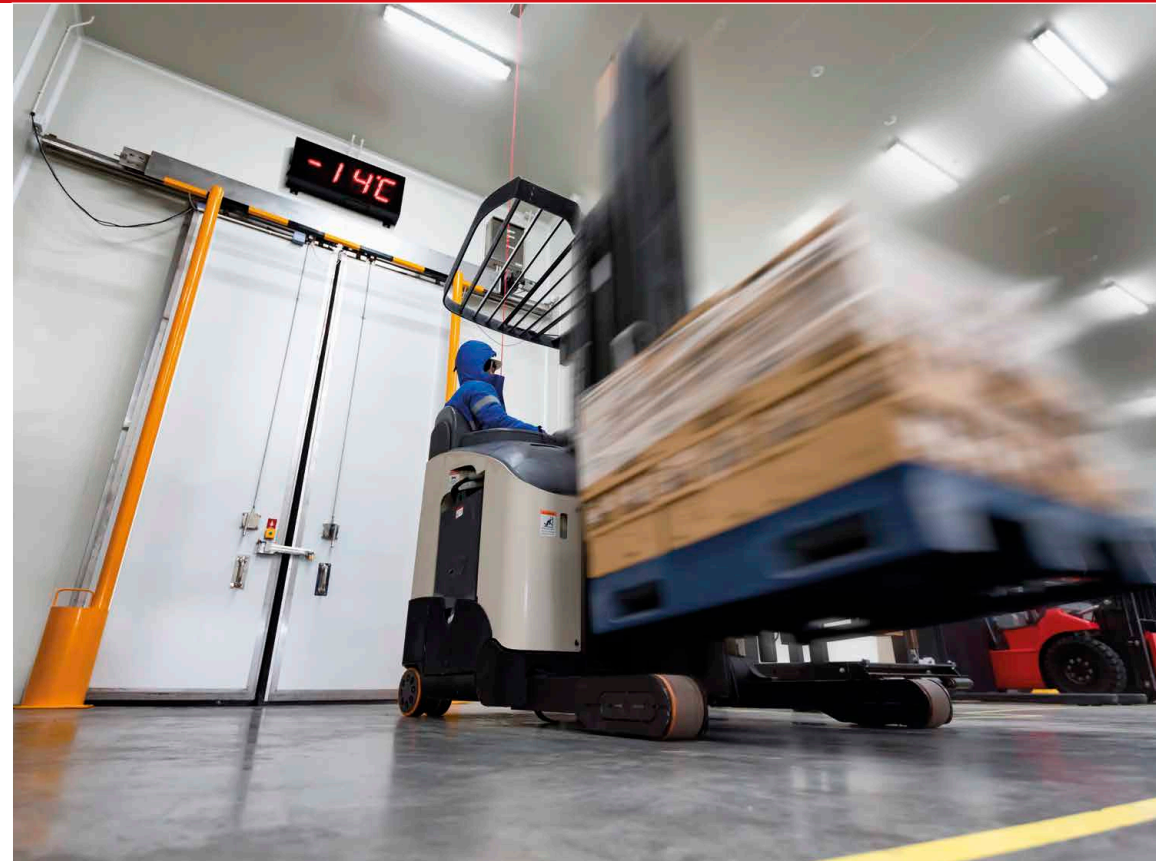


REFRIGERATED WAREHOUSES – COLD STORAGES

Industrial buildings, distributions centres and similar facilities, are not the only locations where air curtains can assist in providing comfort and energy savings. **2VV INDESSE** Air Curtains can also be used in **refrigerated warehouses or cold storage** where it is necessary to keep constant cold air. Often the typical used equipment are plastic strips that act as a barrier preventing the entry of ambient air. This solution, however, is insufficient and reduces visibility when passing into the cold room.

Even in cold conditions **2VV Air Curtains** are able to keep the necessary temperature level. **2VV INDESSE** Air Curtains create an **air barrier between the cold environment and the warmer environment**, maintaining a constant cold temperature level which results in significant reduction of cooling costs.

Warehouse climate conditions vary from place to place, **INDESSE** provides an inventive answer.



BENEFITS:

- ✓ COMFORT
- ✓ SAVINGS
- ✓ SAFETY

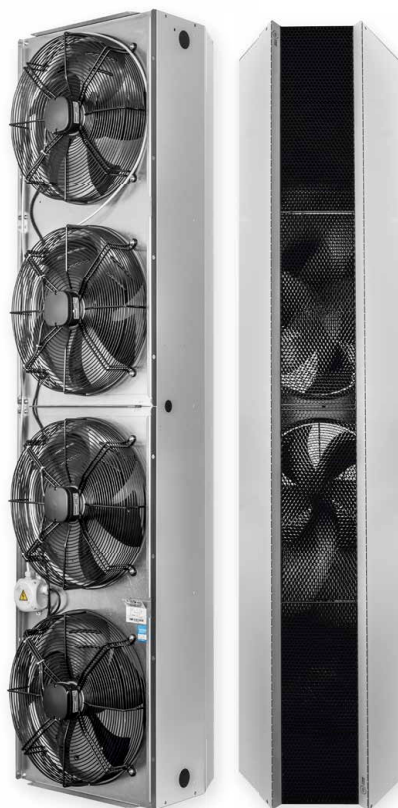
INDESSE: SIMPLY THE BEST

INDESSE

A high-performance industrial air curtain for vertical and horizontal installation for use in **Production Facilities, Warehouses, Distribution Centres, Cold Storage and other industrial buildings** with a recommended installation height / width up to 8 m*.

- Lengths: **1.65 m; 2.20 m** and **2.75 m**
- Air flow up to **19,000 m³/h**
- Heating options: electric heating, water heating, ambient
- Energy-Efficient **EC fans** optionally
- Unique **STRAW SYSTEM Technology** maximizing screening effect
- Horizontal and vertical installation with the possibility to adjust air curtains' position by holders
- Easy maintenance air curtain with long service life
- Wide range of accessories

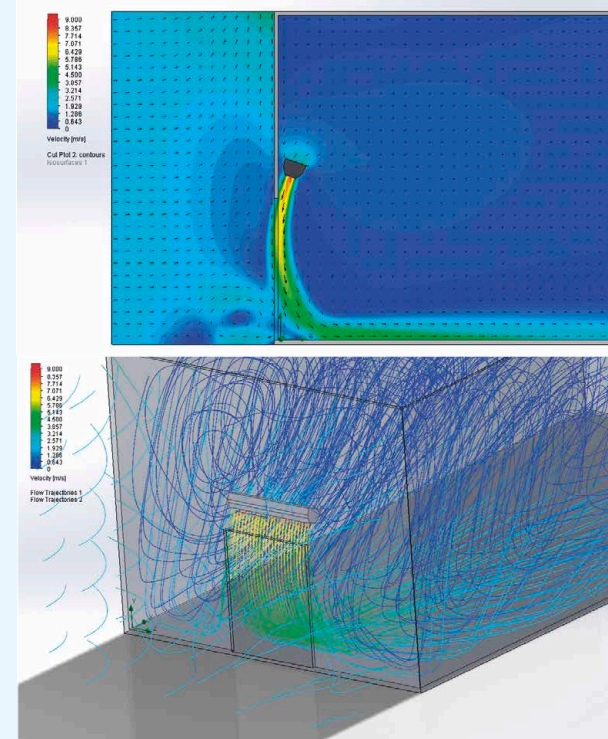
* Maximum recommended installation height/width – it may differ based on the existing conditions at the installation location.



INSTALLATION:

- ✓ Horizontal and vertical installation option
- ✓ Fast and easy joining of individual modules
- ✓ Adjustable nozzle in both vertical and horizontal position (0 - 20°)

DESIGNED BY PROFESSIONALS

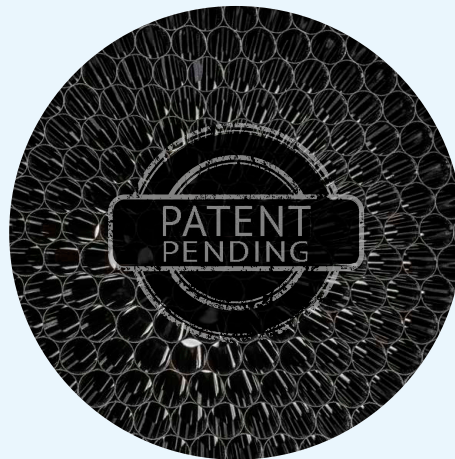


2VV AIR CURTAINS WITH UNIQUE STRAW SYSTEM TECHNOLOGY

One of the primary advantages of the **INDESSE** Air Curtain is the optimally shaped nozzle with unique **STRAW SYSTEM Technology**. The nozzle of the air curtain is fitted with a special grille (honeycomb) which evenly distributes the flow of air across the entire width of the nozzle. **Thanks to the STRAW SYSTEM Technology the maximum laminarization of the air stream coming from the curtain is ensured.**

Laminar air flow is a type of flow where air particles move next to each other at a constant speed without mixing. Using this effect is very important with air curtains because laminar flow has better screening properties. Air curtains with the **STRAW SYSTEM Technology** have a **longer final blow** and the air flow maintains a **constant speed for a longer distance** than in comparable conventional air curtains with a nozzle using a grille or lamella. Another advantage is the **lower noise level** because no whirling occurs with laminar flow.

2VV was the first manufacturer of air curtains to use the **STRAW SYSTEM Technology**. Sometimes also called "Honey-comb chamber", in the construction of the nozzle of air curtains and the use of the special honeycomb is protected by a utility model.





- A leading European manufacturer of Air Curtains, Air Handling and Heat Recovery Units and wide range of HVAC products
- Creating efficient solutions since 1995
- Innovative, specialized, focused
- In-house R&D. European quality
- Worldwide presence

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