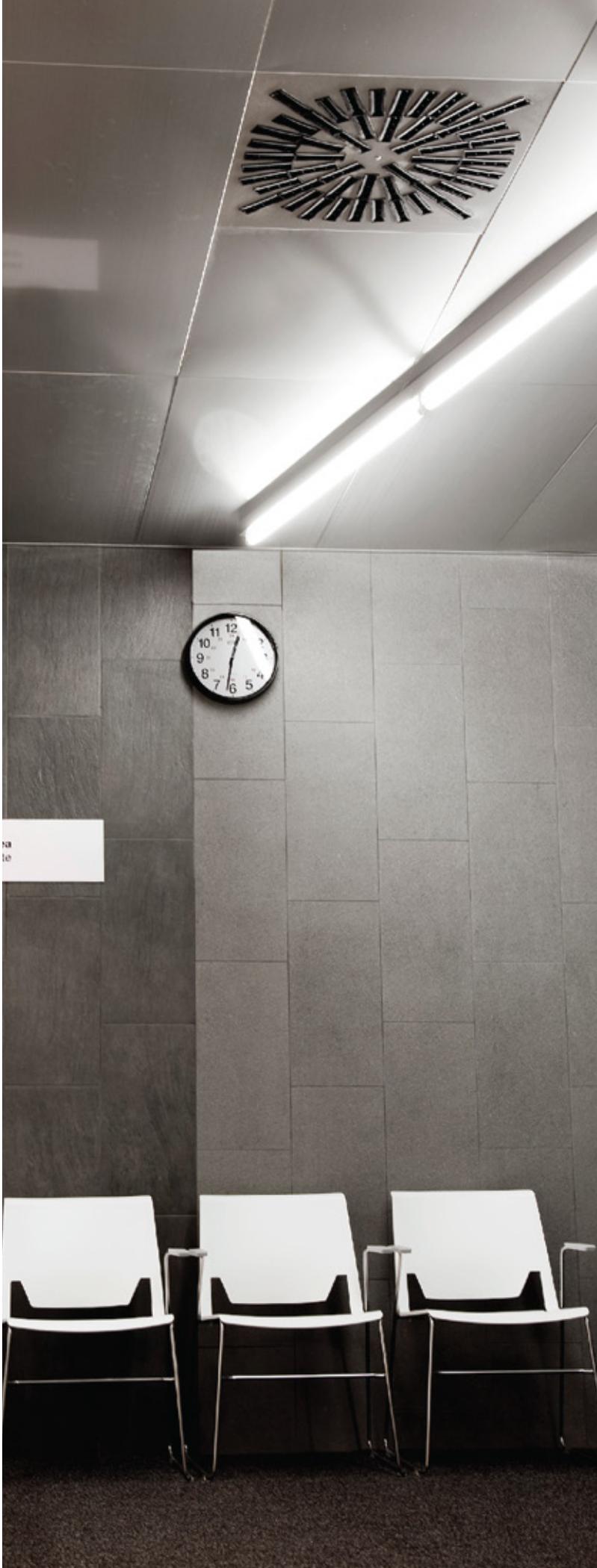




NEW TECHNOLOGIES IN AIR DISTRIBUTION



# DAL<sub>358</sub>

“The diffuser that surpasses all norms”

## Heating through the ceiling!

The DAL358 eliminates the need for peripheral heating thereby reducing the cost of construction. Hot air pulsating through the diffuser is quickly mixed to the air in the room, sweeping down the windows and exterior walls efficiently reaching the floors. Many projects have been successfully completed.

## Ez=1.1 : Up to 27% savings on exterior air!

The DAL358 has recently been qualified by the CNRC as a high induction diffuser with an Ez factor of 1.1 according to the ASHREA 129 protocol. This value is used to calculate the amount of fresh air according to ASHRAE 62.1, thereby reducing the amount of fresh air by 27% compared to a traditional cone diffuser with an Ez rating of 0.8.

## Guaranteed comfort!

NAD has developed a tool which can quickly insure the compliance to the ASHRAE 55 norm:

- Less than 30 ft/m in the occupied zones
- Less than 1°C temperature differential in occupied zones

The swirl output, the stability and high induction allow for a comfortable air flow with minimal temperature differentials and low noise.



## Swirl diffusers

Swirl diffusers are recommended in areas where a highly stable output is required.

### Recommended applications:

- Large surface stores
- Restaurants
- Meeting halls
- Offices with partitions
- Class rooms

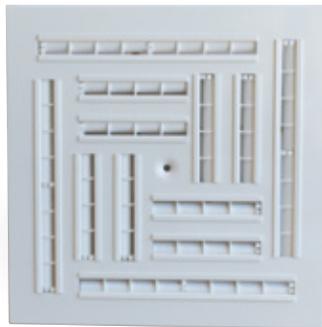


## Ceiling diffusers

NAD ceiling diffusers offer optimal adaptation of the ventilation system to the requirements of the room. Our technology allows for uniform and silent air flow.

### Recommended applications:

- Rooms that require high air output
- Hotel and restaurant kitchens
- Theaters
- IT rooms
- Administrative centers
- Large surfaces

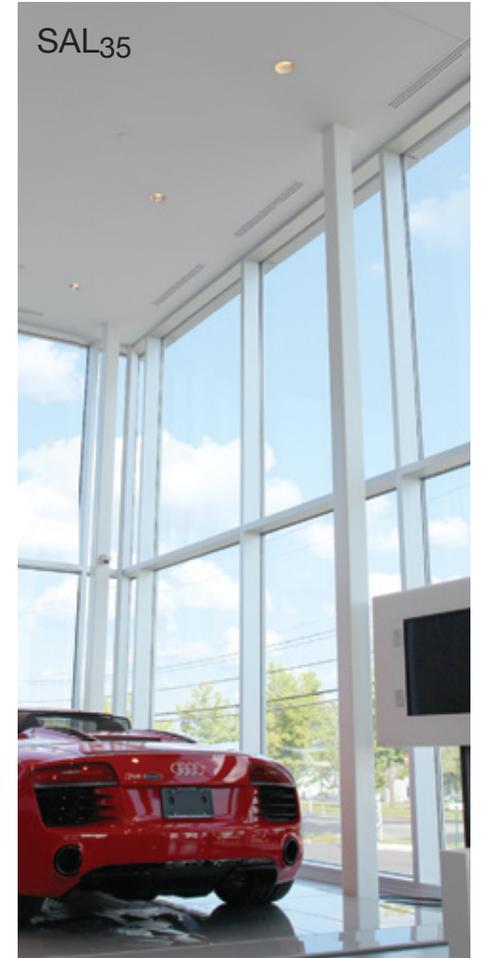


## Linear diffusers

The laminated air flow as well as the stability and the high induction generated make the SAL 35 and the SAL 52 the ideal linear diffusers for variable high air volumes.

### Recommended applications :

- Multipurpose rooms
- Condominiums
- Entrance Halls (vertical jets)
- Windowed walls
- Theaters



## Displacement diffuser

The QAL diffuser is versatile enough to be used in areas necessitating a stable ventilation. The QAL is manufactured in a circular, semi-circular, quarter-circular or rectangular shape.

### Recommended applications :

- Offices
- Industrial shops
- Laboratories
- Businesses



## Duct diffusers and flexible diffuser

The NAD duct diffusers play the dual role of conduit and of diffuser. They are perfectly suited in applications where efficiency and architectural design is required.

The FDD is a high induction flexible air diffuser fabricated of fully waterproof permeated polyester PVC .

This diffuser is made to address the ventilation needs of spaces with very large volumes of air.

### Recommended applications :

- Commercial applications
- Office space
- Entrance halls, Atriums
- Industrial spaces
- Residential
- Buildings with apparent structures
- Agora
- Warehouses
- Large surface stores
- Sports centers

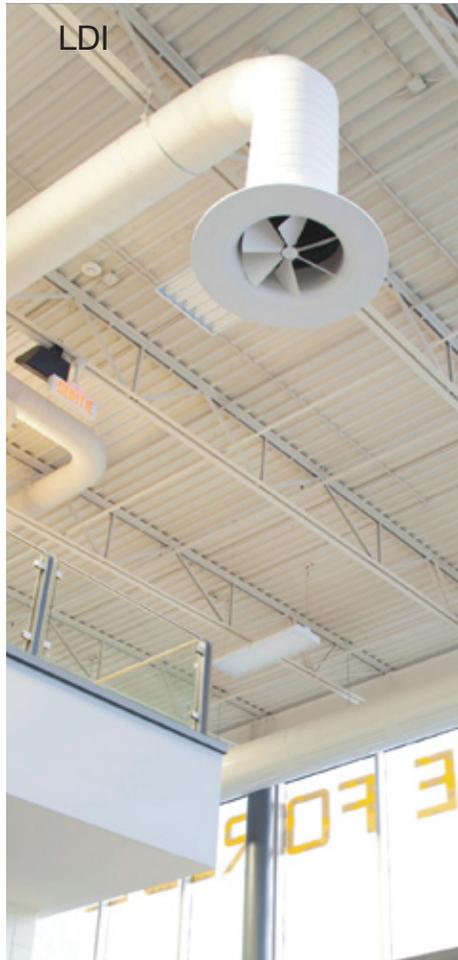


## Industrial diffusers

The NAD industrial diffusers have been designed to meet the requirements of the industrial sector. They are equipped to adapt the diffusion patterns to specific applications: destratification, depollution etc. Some diffusers have been designed to diffuse large quantities of air without creating drafts in work zones.

### Recommended applications :

- Industries
- Commercial applications
- Theaters
- Polluted work areas
- Ceiling heights of between 4m to 15m
- High volumes of air
- Exposition halls
- Large surface stores
- Work stations aeration



## Specialized diffusers

The INDUCTO diffuser is specially designed to ventilate auditoriums. Air conditioning hardware costs and ductwork costs are considerable reduced because of the low quantity of fresh air necessary.

The design of the BD floor diffuser fosters a mixture of the ambient air forming a comfort zone. Guaranteeing security and efficiency.

### Recommended applications:

- Commercial spaces
- Office space
- IT rooms
- Movie theaters
- Theaters
- Spaces with a false floor
- Concert halls



## NAC Air Curtain

The NAC air curtain acts as a thermal barrier, considerably reducing energy costs while raising the level of comfort.

The NAC air curtain from NAD Klima is used primarily in industrial areas, warehouses as well as distribution and transshipment centers.

The air curtain is installed either horizontally or vertically depending on the size of the door or installation conditions.

Installation of the NAC air curtain ensures that hot or fresh air is kept on the premises regardless of the frequency or duration of time that the doors are open.



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