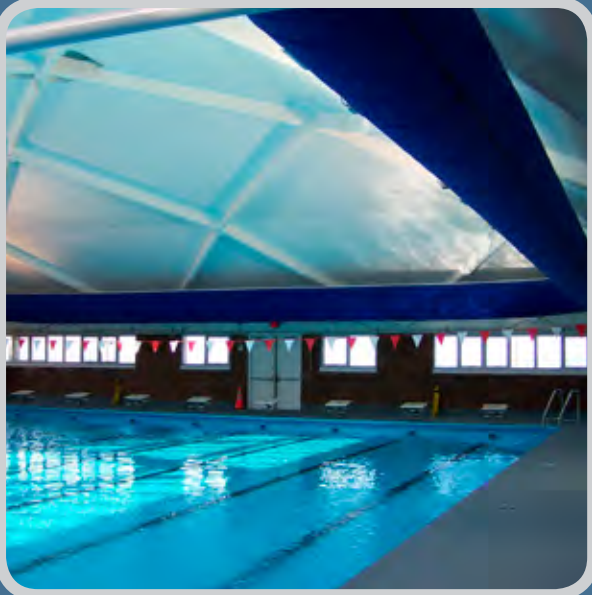
# Euro Air Fabric Ducting

## - the choice for fabric based ventilation

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# Why fabric ducting?

- Draft-free environment providing an optimum air distribution
- Customized colours to meet architectural demands
- Option of logo printed on the fabric duct
- Low costs due to low weight of systems - well-suited for retrofit installations
- Installation of fabric ducts is easy as the fabric systems are supplied in correct lengths from the factory
- The ducts are folded, packed and shipped in small cartons - they will not occupy extra storage space on the installation site
- No need to insulate the fabric duct as our permeable materials will always leak air through the fabric surface thus avoiding condensation
- Fabric duct systems are easily installed in places where conventional ducting does not apply, such as tents or other applications requiring lightweight installation
- Reduction of installation time of up to 70% thus reducing overall costs significantly
- All fabric materials are non-corrosive
- Fabric ducts help filter the inlet air and are easily taken down for washing when required
- Fabric ducts can easily be pushed aside for servicing underneath conveyor belts or heavy machinery, etc.

Rolls Royce, SGP

Fitness First Zoetermeer, NL

Golden View Thalwil, CH

**Read more on: www.euroair.eu/FAQ**

FAQ

# Who are we?

Euro Air A/S is a Danish manufacturer of air distribution ducts made of fabric material.
Euro Air A/S was founded in 1991 and since 2007 Euro Air has been a member of the KE Fibertec Group, which is the largest manufacturer of fabric ducting worldwide.

The Euro Air fabric ducts are manufactured in our production facilities in Vejen, Denmark, and in Varnsdorf, Czech Republic.

Euro Air supplies tested and approved materials. All our fabrics are manufactured at our own weaving mill and designed solely for air distribution purposes.

Furthermore, they are tested according to acknowledged international standards. Our solutions are based on common sense and technical competence in close cooperation with our customers to ensure a product that matches your demands at a competitive price.

We call it "**Commitment is included**".


Scan this QR code to watch our YouTube video about the weaving mill.


Euro Air A/S, DK

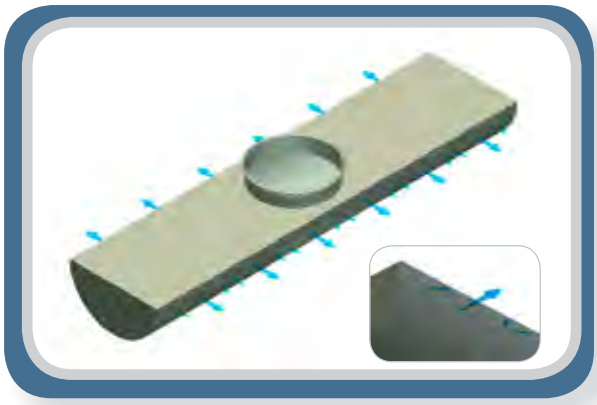

Euro Air CZ s.r.o., CZ


Euro Air weaving mill, DK

**Read more on: www.euroair.eu/Company**

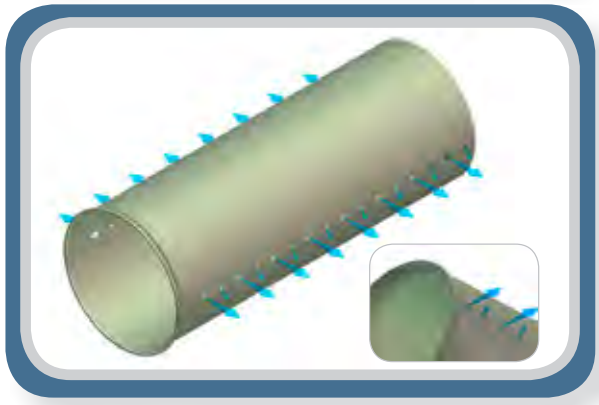
Company

# DFC - Directional Flow Control
**(patented)**



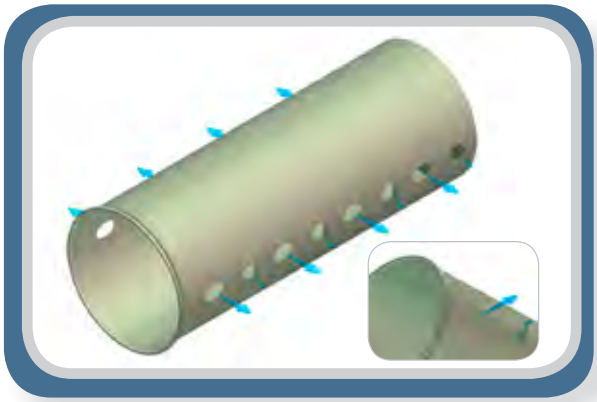
## DFC Comfort System

- Customized solutions for cooling, heating, and ventilation in areas with high demands on comfort
- Uniform air distribution with Double Directional Flow Control
- Air flow through orifices from 7-20 $m^3/h/m$ (60 Pa)
- Applications: Offices, schools, laboratories, canteens, auditoriums, etc.



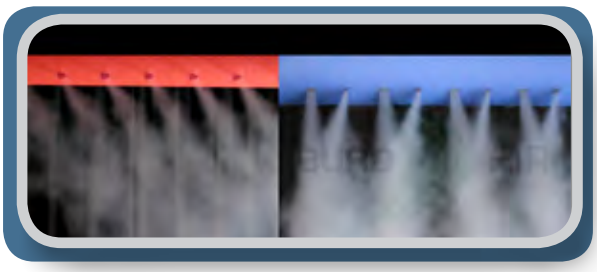
## DFC Induction System

- Customized solutions for cooling, heating, and ventilation in areas with medium demands on comfort
- Used mainly for half round or quarter round fabric ducts. Available with one, two, or three orifice rows
- Air flow through orifices from 17-90 $m^3/h/m$ (120 Pa)
- Applications: Fitness centres, showrooms, cinemas, supermarkets, museums, etc.



## DFC Long Throw System

- Customized solutions for cooling, heating, and ventilation in areas with medium or no demands on comfort
- Used mainly for half round fabric ducts. Available with one, two, or three orifice rows
- Air flow through orifices from 65-370 $m^3/h$ (120 Pa)
- Applications: Sports centres, production facilities, supermarkets, food terminals, etc.



Scan this QR code to watch our YouTube video about the DFC System.

# Products

## Permeable System

The permeable system - also known as a low impulse system - is used for cooling purposes and applies the displacement principle. Depending on the ΔT, the cool air will slowly drop towards the ground due to the higher density of cold air.

## Directional Flow Control (DFC) System

The fabric duct DFC System released in 2010 is designed with laser cut holes in combination with flow controlling directional baffles that reduce the air flowing along the duct and ensure 100% uniform air distribution.

## Nozzle System

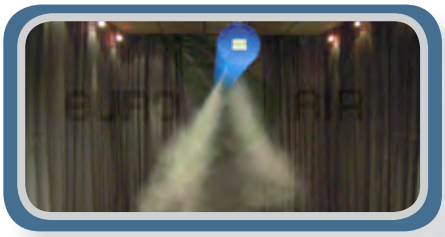
Nozzle systems can be used in many applications, however, mainly in rooms with a high ceiling due to the long throw generated by the nozzle. As with the DFC System, Euro Air nozzles will not create problems of entrainment due to the nozzle design.

## Membrane System

The membrane system was invented so that a system could be made combining both heating and cooling applications in one diffuser. The membrane system gives the end user all the benefits of the permeable system for cooling (summer) and a high impulse system solution for heating (winter).

## Injekt System

Our DFC-0 material is very well suited for industrial applications and soiled environments such as auto repair shops. The material has a high resistance against dust, fumes, and heavy processing processes in general. These ducts can be used together with light cooling as long as the inlet temperature stays above dew point.



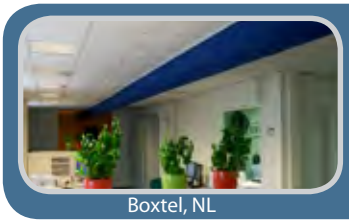
## Hybrid System

Both the fabric and the high impulse element are active. The cold air will be dispatched underneath the fabric duct system just like the permeable system, and air will be thrown in the desired direction of the high impulse element.

# Applications and References

See more pictures from references on flickr.com/euroair

## Comfort ventilation (offices, schools, kitchens, etc.)


Boxtel, NL

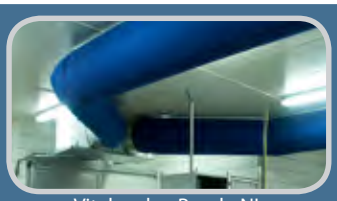

Technasium van 't Rijks, NL

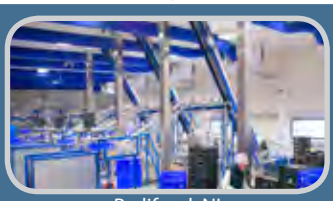

LGM, SGP

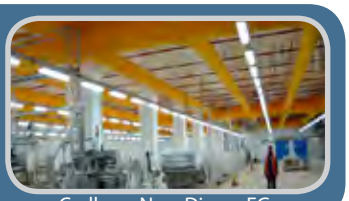

Roorda Amsterdam, NL

## Food industry (slaughterhouses, food terminals, food processing plants, etc.)

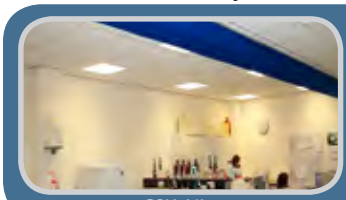

Arla Foods, DK

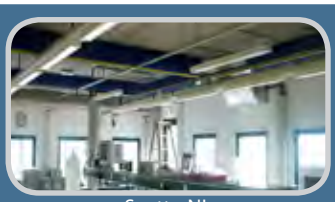

Vitelco den Bosch, NL


Padifood, NL


Cadbury New Diego, EG

## Laboratories (pharmaceutical facilities, clean room facilities, etc.)

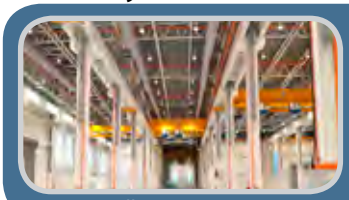

CSK, NL


Scotts, NL

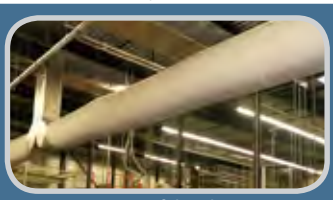

Purac, NL

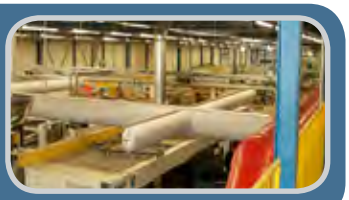

Kraton, NL

## Industry (electronics, production, high bay warehouses, printing works, etc.)

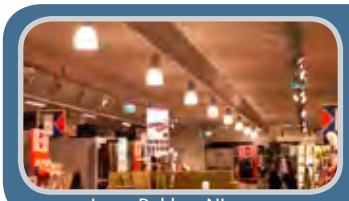

Rolls Royce, SGP

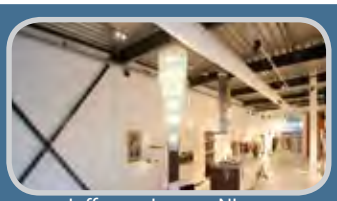

Berkevens, NL

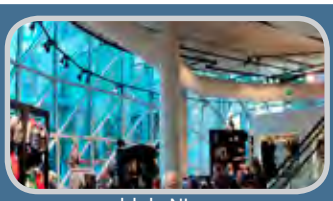

Vormenfabriek, NL

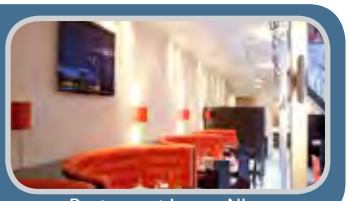

Kappa Deventer, NL

## Show rooms (restaurants, theatres, shops, supermarkets, etc.)

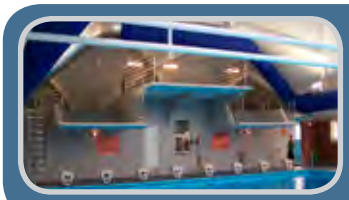

Leen Bakker, NL


Juffrouw Jansen, NL

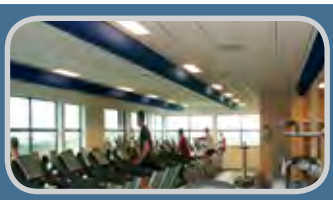

blob, NL

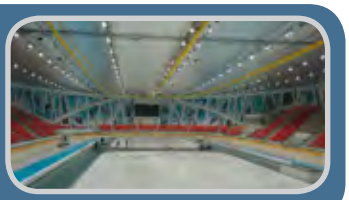

Restaurant Luxor, NL

## Sports/leisure (swimming pools, sports centres, ice rinks, fitness, etc.)


Camp Lejeune, USA


Oss, NL


Kudelstaart, NL


Astana, KAZ

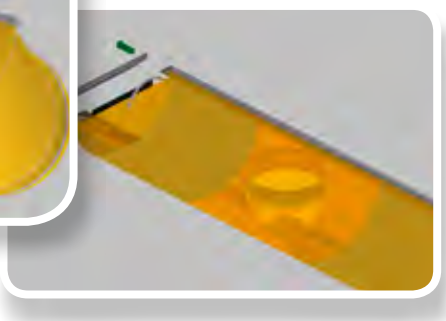
**Read more on: www.euroair.eu/References**

References

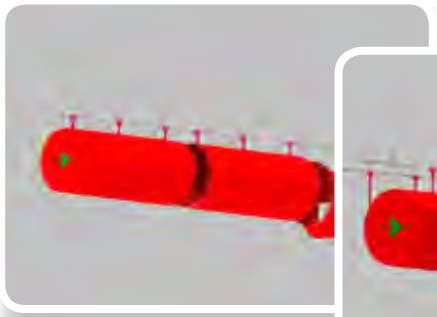
# Suspension Systems

## Flexrail

## Wingrail

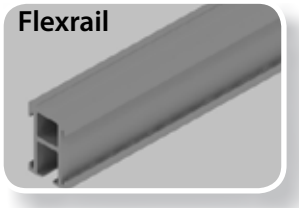


## Clips & Wire



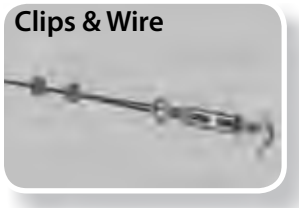
## Accessories

Flexrail



Wingrail

Clips & Wire



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**IT'S IN THE AIR**