It's in the air

LEADING IN FABRIC DUCTING SOLUTIONS

EURO AIR

Who we are

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.

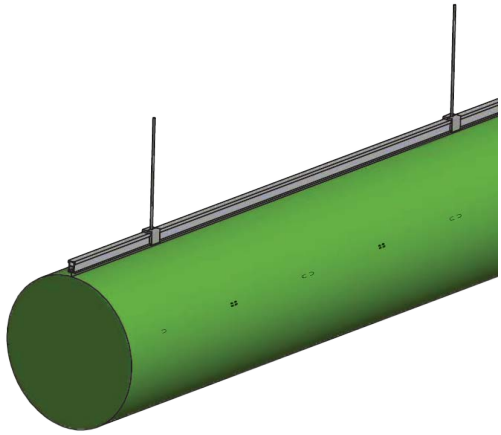
Furthermore, they are tested according to acknowledged international standards. Our solutions are based on common sense and technical competence in close cooperation with our customers to ensure a product that matches your demands at a competitive price.

We call it “Commitment is included”.

Why Fabric Ducting?

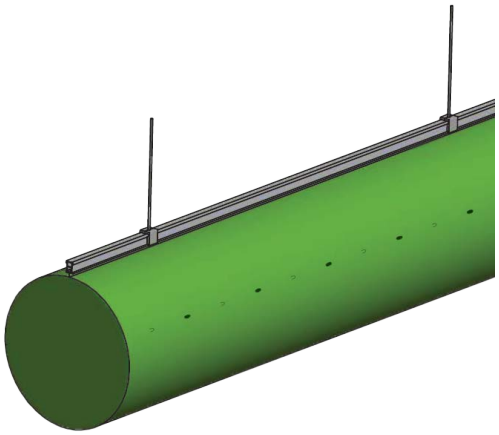
- Draft-free environment providing an optimum air distribution
- Customized colours to meet architectural demands
- Option of logo printed on the fabric duct
- Low costs due to low weight of systems - well-suited for retrofit installations
- Installation of fabric ducts is easy and fast
- Extra storage is not needed as the ducts are packed in small cartons
- No need to insulate the fabric duct due to the permeable materials
- Fabric duct systems are easily installed in places where conventional ducting does not apply
- 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.

DFC - Directional Flow Control



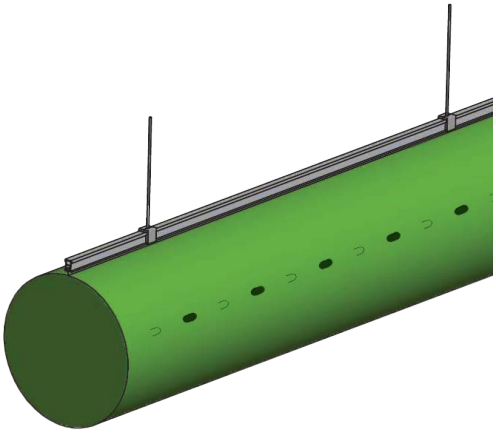
DFC Comfort System

- 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.

Product information and availability

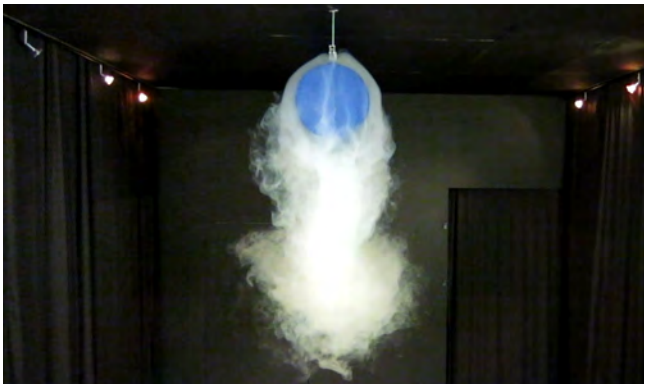
Material	Permeable System	DFC System - Comfort	DFC System - Induction	DFC System - Long Throw	Nozzle System	EA Holes	Membrane System (Permeable - DFC - Nozzle)	Cleanroom Class 4, iso 1	Basic colour (RAL)	Standard colours (RAL)	Special colours (RAL)	Custom colours
DFC HT 85 DFC HT 325 DFC HT 600	✓	✓	✓	✓	✓	✓	✓	✓	9010*	9002* 5002*	N/A	✓
DFC HT 40	✓	✓	✓	✓	✓	✓	✓	✓	9010*	9002* 5002* 7042* 9005*	1028* 6016 Design* 250 7030 3031 1019	✓
TCS 50 TCS 150 TCS 325 TCS 550 TCS 775 TCS 1240	✓	✓	✓	✓	✓	✓	✓	N/A	9010*	9002* 5002* 7042* 9005*	3031* 1028*	✓
DFC 0	N/A	✓	✓	✓	✓	✓	N/A	N/A	9010	7047 5002	N/A	✓
Antistatic 325 Antistatic 550	✓	✓	✓	✓	✓	✓	✓	N/A	9010	N/A	N/A	N/A
Nomex®	✓	✓	✓	✓	✓	✓	✓	N/A	Natural	N/A	N/A	N/A

*** Cradle to Cradle Certified™**

Suspension material specifications

Item	Material	Weight per metre or per unit	Comments
Flexrail	AlMgsi 0,5 F22 (6060 T6 alloy)	641 g	10 micron anodized layer
Wingrail	AlMgsi 0,5 F22 (6060 T6 alloy)	410 g	10 micron anodized layer
Threaded rod	AISI 304	178 g	M6 thread. AISI 316 available at request
Standard wire	Galv. Steel w. PVC coating	30 g	Ø3 mm incl. coating. Tensile strength = 235 kg (breaking load)
Stainless wire	AISI 316	60 g	Ø3 mm. Tensile strength = 685 kg (breaking load)
Turn buckle	AISI 304	94 g	Open hook one end, closed ring other end
Wire locknut	AISI 304	12 g	-
Clamp	AISI 304	Varies with size, Ø500 = 80 g	AISI 316 or textile clamps w. ratchet available upon request

Products

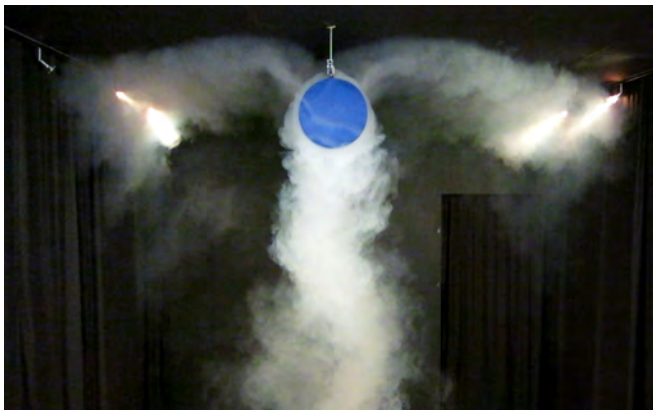


Permeable System

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.

Non-permeable 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.

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.

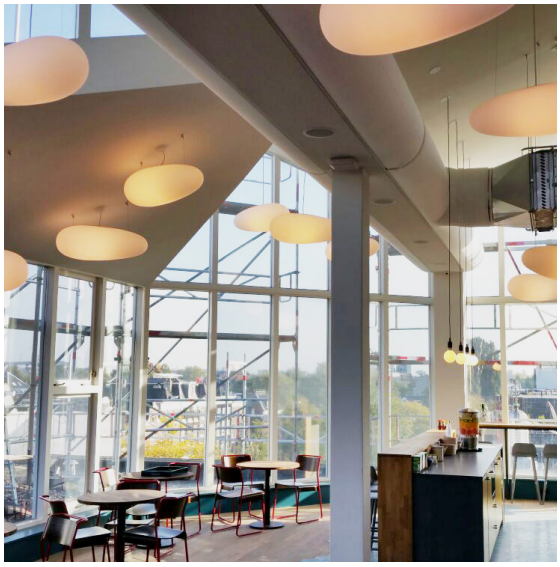
Membrane System

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).

Comfort ventilation

Offices, schools, kitchens, etc.

Good indoor climate with a very high demand for comfort in offices, conference halls, concert halls, sound studios, canteens, schools, child care facilities etc. and in general where many people are assembled.



Food industry

Slaughterhouses, food terminals and processing plants
No condensation problems, no growth of microorganisms in the bespoke woven materials from Euro Air for equalising rooms, warehouse/terminals, high bay warehouses.

Laboratories

Pharmaceutical facilities and clean room facilities

Handling of high air volumes at minimum air velocity in the occupied zone in VAV fume cupboard extracts, pharma production, "clean room" classified R&D laboratories etc.

Industry

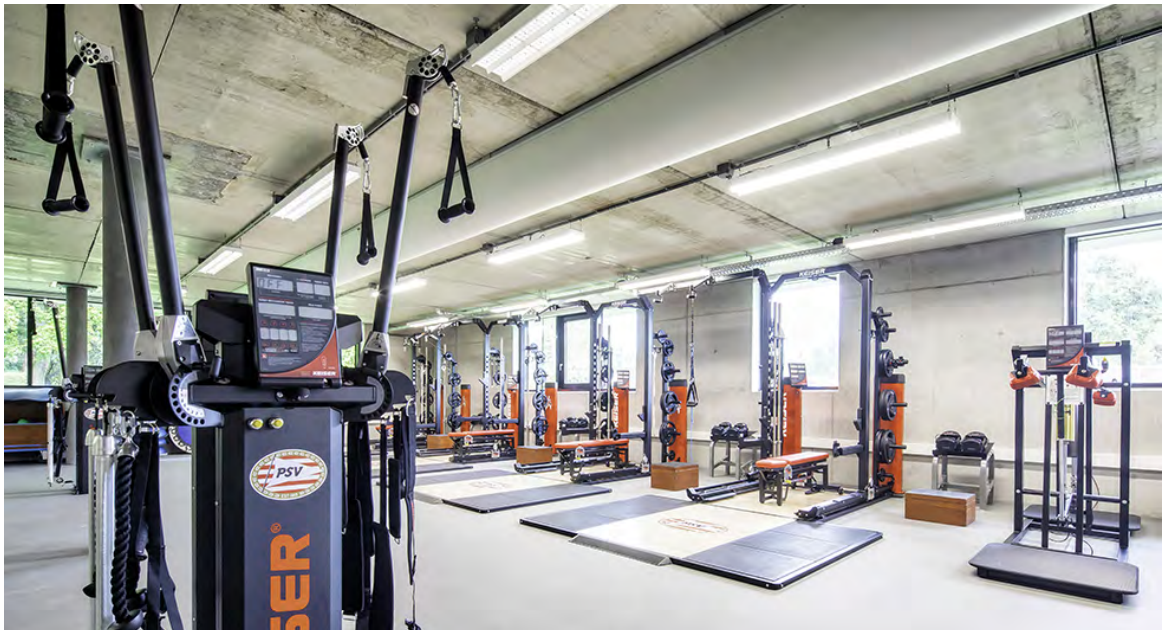
Electronics, production, high bay warehouses, etc.

Guarantee that fresh air is delivered to the employees without draft problems in light industry, heavy industry, printing works, extreme cooling facilities, vehicle workshops etc.

Show rooms

Restaurants, theatres, shops, supermarkets, etc.

Often a challenging area due to constantly changing user demands in showrooms, exhibition halls, supermarkets, department stores, pavilions, museums, atriums, etc.



Sports/leisure

Swimming pools, sports centres, ice rinks and fitness

Very energy-efficient solutions for constantly changing ventilation demands in sports halls, fitness studios, shooting ranges, swimming pools, ice rinks etc.

CradleSox®

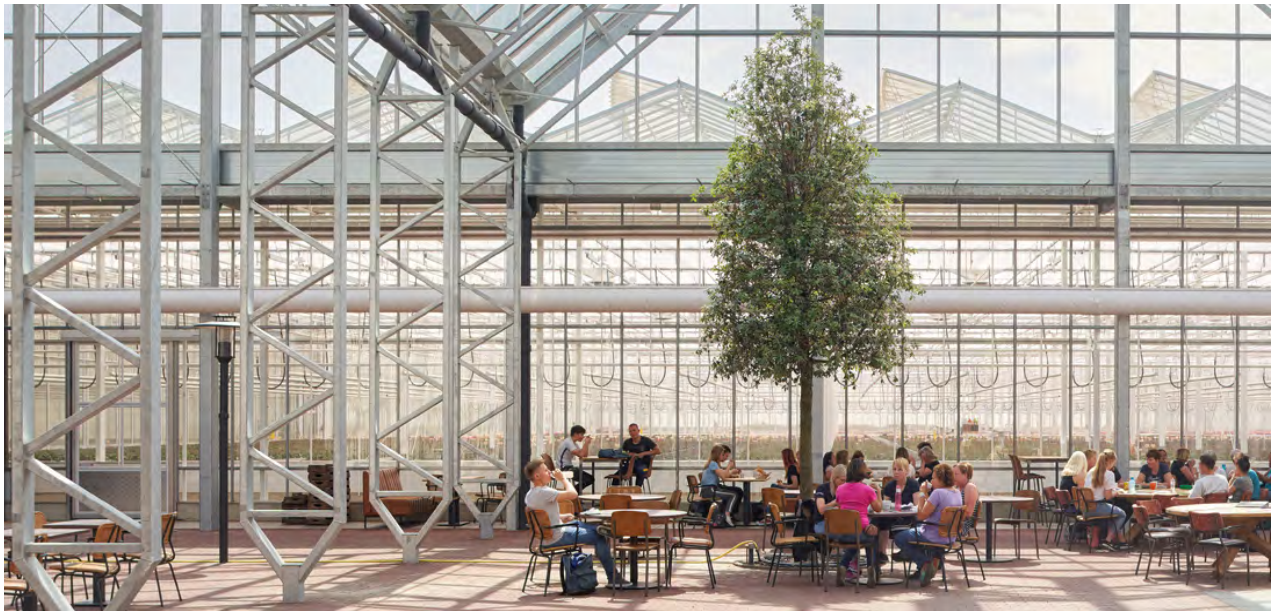
Cradle to Cradle fabric ducting

CradleSox® from Euro Air is Cradle to Cradle certified and therefore a documented sustainable product for green buildings all over the world.

Fabric ducts are well suited for offices, schools, laboratories, public buildings and other comfort areas where you need a uniform air distribution and a healthy indoor climate.

CradleSox® Concept

Material:	Trevira CS DFC HT
Colour:	White, dark and light grey,yellow, red, dark and light blue, black
Suspension:	Fasttrack
Rails:	Flexrail, Wingrail




CERTIFIED
cradle to cradle
BRONZE

Euro Air A/S

has successfully achieved Cradle to Cradle Certified® Bronze for the product(s) under the name:

Cradle Sox®

Certification Number
5598

Standard Version
3.1

Lead Assessment Body
EPEA GmbH – Part of Drees & Sommer

Material Health Assessment Body
EPEA GmbH - Part of Drees & Sommer

Effective Date
12 May 2022

Expiration Date
05 January 2024

President & CEO
Cradle to Cradle Products Innovation Institute

See the Cradle to Cradle Certified Product Registry at www.c2ccertified.org for additional details.
Use of the certification marks is subject to the terms and conditions of the C2CPII Certification Agreement and Trademark Use Guidelines.
Cradle to Cradle Certified is a registered trademark of the Cradle to Cradle Products Innovation Institute

cradle to cradle products innovation institute

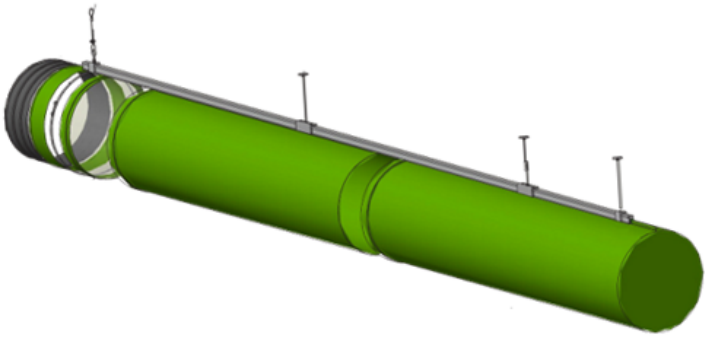
Respect for the environment is common sense - and good business

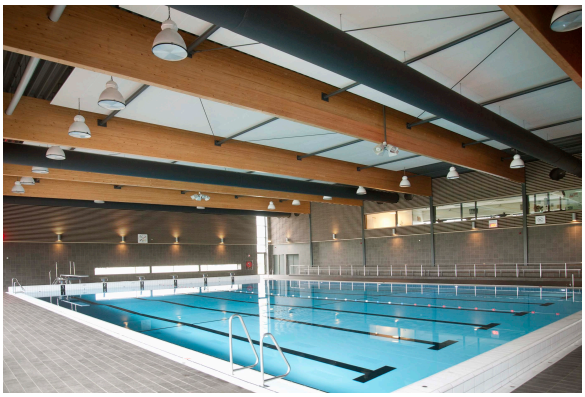
Cradle to Cradle was developed by Dr. Michael Braungart and William McDonough. The concept is an optional development tool to achieve a better utilization of resources.

This results in sustainable products that are not harmful to the environment.

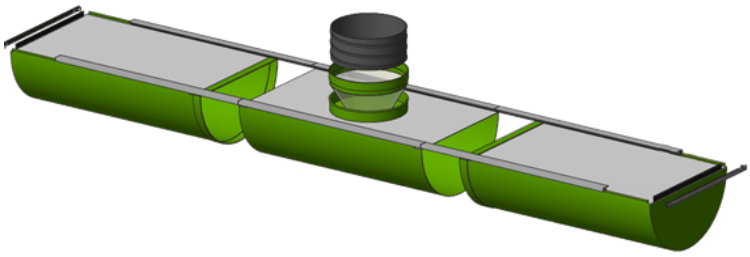
Suspension

Flexrail

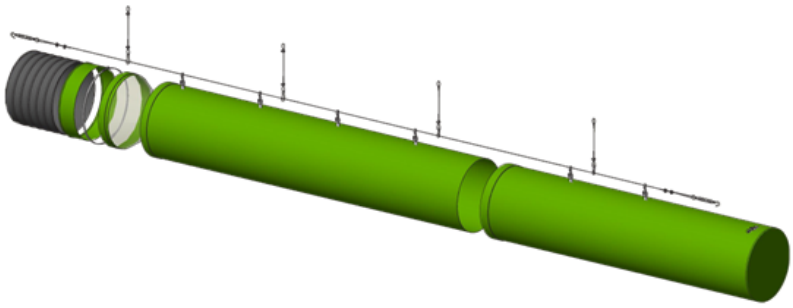




Wingrail



Clips & Wire



Detail view

Flexrail

Wingrail

Clips & Wire

It's in the air

We take pride in handling all projects and inquiries in a professional way. No matter if the project is large or small, all our airsox systems are tailored to specifically match your requirements. With our specially developed software "TBV Designer", our engineers can provide the necessary technical documentation and CAD-drawings, if required.

Euro Air supplies tested and approved materials. All our fabrics are manufactured at our own weaving mill designed solely for air distribution purposes. Furthermore, they are tested according to most 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.

Our committed sales and development engineers are located in Denmark but we have a wide range of authorized and trained Euro Air distributors, who can provide local support and sales back up on selected markets in Europe, Middle East and Asia. If you are located in Denmark, Germany, England, or the USA, please contact our sister companies and colleagues at KE Fibertec who have taken over the distribution of the Euro Air products in these countries.

www.euroair.eu

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