

IMPROVING AIR DISTRIBUTION THROUGH TECHNOLOGY



What is Euro Air Fabric Ducting?

Euro Air Ducting is an alternative to traditional steel ducting and diffusers. Due to advances in technology, instead of transporting air through steel duct work, we can now use ducts made of permeable fabric.

The heat load calculations and equipment sizing remains the same as traditional systems, but instead of using metal ducts to transport the air, we use patented fabric. This allows us to design air-conditioning systems which achieve better air distribution and save energy.

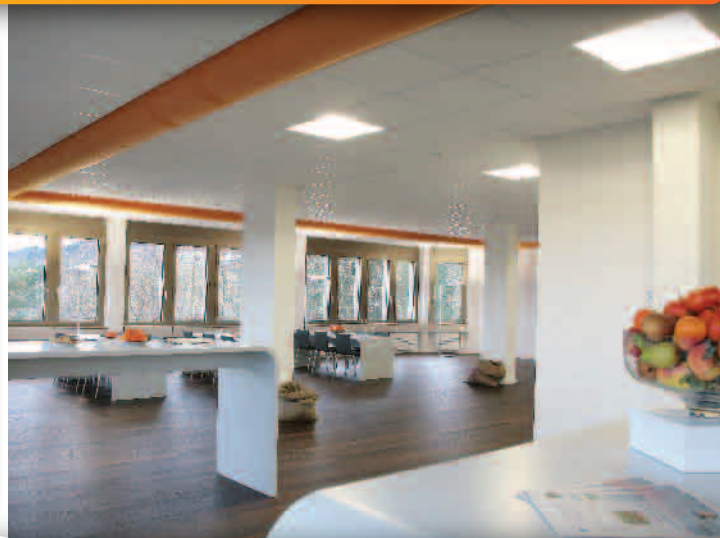
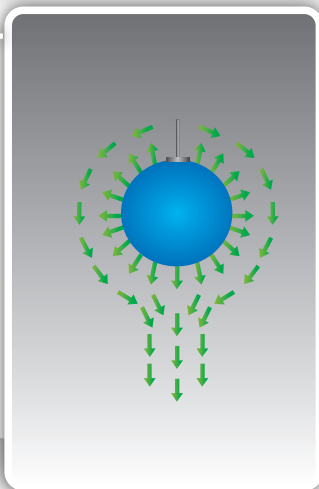
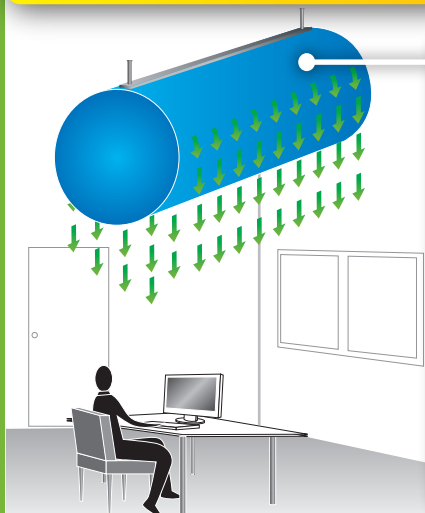
Due to the ease of working with fabric, Euro Air systems can also be installed in a fraction of the time as compared to traditional ducting resulting in significant cost savings.



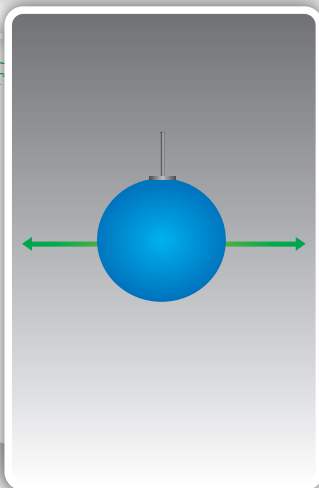
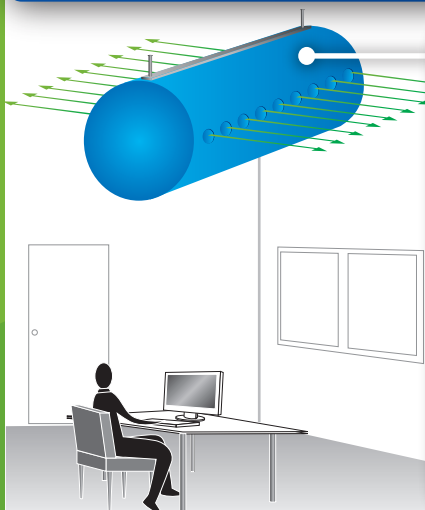
Euro Air technology is revolutionizing the air-conditioning industry. Established in Denmark in 1991, Euro Air has provided over 100,000 state-of-the-art HVAC systems in more than 30 countries.

Euro Air Performance Analysis

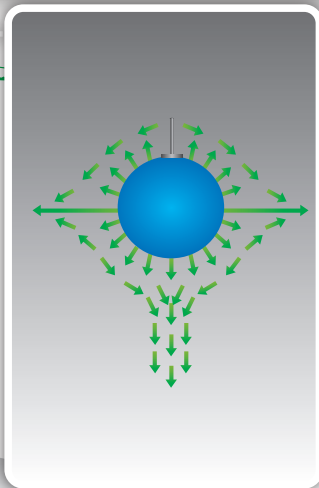
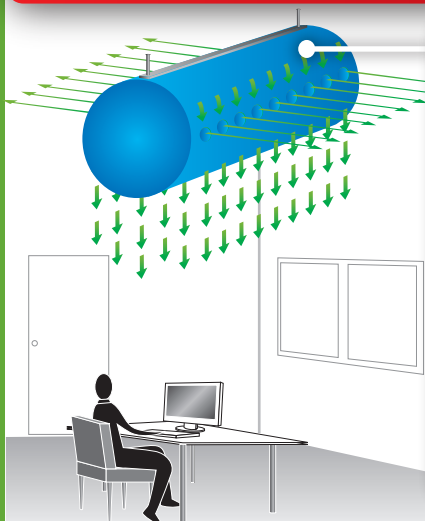
Permeable (no holes)



Non-Permeable (with holes)



Combination (Permeable with holes)



What are the Benefits?

1 Green

Euro Air Ducting is energy saving in design and is made from textile with no harmful substances. Up to **20%** energy savings as compared to a traditional system.



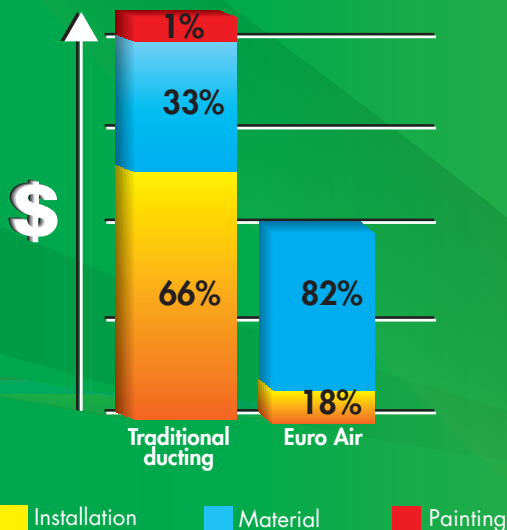
2 Productivity

Euro Air ducting can be installed in a fraction of the time reducing installation time by up to 80%.

3 Better Air Distribution

All projects are custom designed to ensure perfect air distribution and comfort. No hotspots or draught.

4 Cost Saving



5 No Balancing

The proprietary Euro Air design & selection software allows you to accurately predict performance before it is even installed.

6 Quiet Operation

No moving parts and air is diffused at a lower velocity.

7 Washable

Simple cleaning and maintenance means Euro Air ducts can be removed and laundered easily. This allows you to use Euro Air ducts in special applications such as food preparation and storage facilities.

8 No Condensation

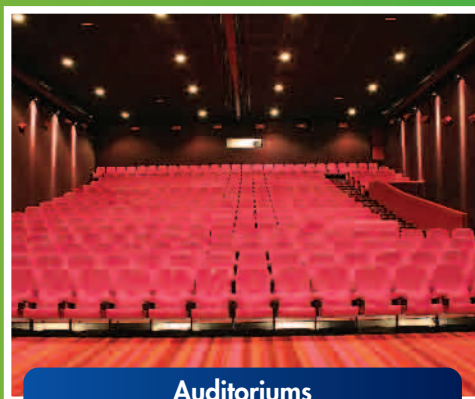
A major problem with steel ducting is condensation. Our permeable fabric leaks cold air throughout the entire duct surface to prevent condensation.

With a wide range of material and design options,
we have experience with the following applications :

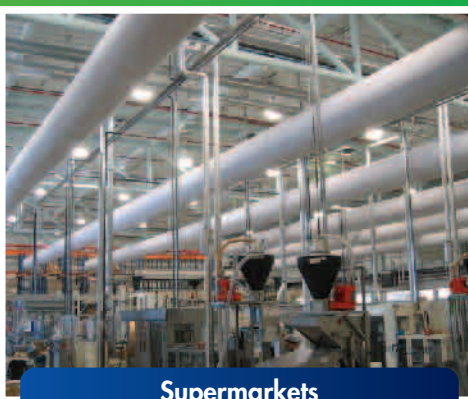
- Food Preparation Facilities
- Supermarkets & Showrooms
- Manufacturing Facilities
- Fitness Centers & Sports Halls

- Warehouses
- Laboratories and Cleanrooms
- Schools & Libraries
- Museums, Cinemas & Theatres

- Restaurants
- Offices
- Religious Buildings
- Temporary & Mobile Installations



Auditoriums



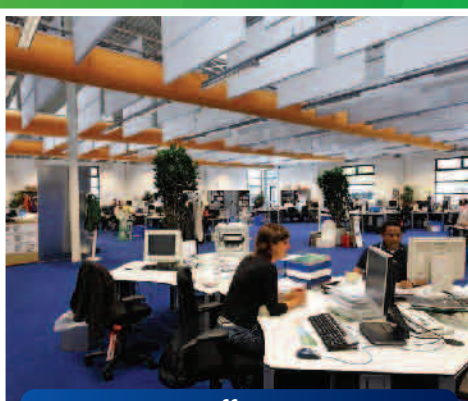
Supermarkets



Shops



Showrooms



Offices



Sports Halls



Food Storage Facilities



Restaurants

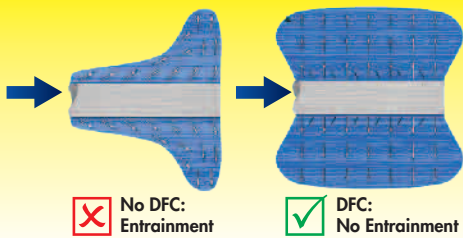


Laboratories

Why Euro Air?

1 DFC - No Entrainment

Euro Air is the only product on the market with the patented Directional Flow Control (DFC) system. The DFC system ensures that air leaving the duct is not thrown to one side of the room. Instead the DFC system throws the air in a perpendicular direction to the duct eliminating the possibility of draughts and hotspots.



2 Design Software

Euro Air uses state-of-the-art proprietary design software to select and balance the ducting system before construction begins. The system can tell you exactly where the air will go.



3 In-House Weaving

Euro Air weaves all of their own fabric and has strict ISO certified quality controls to guarantee performance and no condensation.



4 Colours, Shapes and Logos

Euro Air ducts can be produced in any colour, shape and size to fit in with any building design scheme. Logos and brand messages can also be incorporated on the ducts.

5 Latest Technology

Euro Air leads the industry by using the latest laser cutting technology to ensure product durability and unparalleled quality control. All systems are designed locally using proprietary software which links to our production facility leaving no room for human error.

6 Test Lab with R&D Facilities



A fully equipped test lab allows Euro Air to continually bring product innovations to the market. It also means we can test new unique cooling scenarios and applications for your projects.

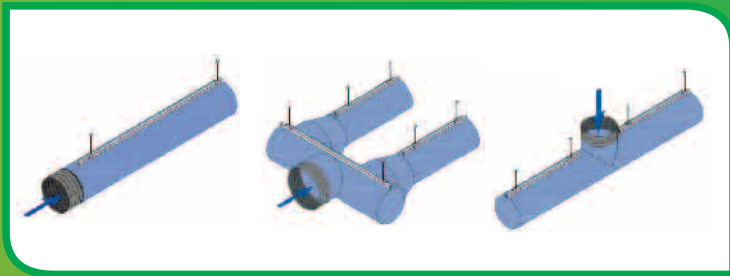
7 Fire Certification

Euro Air products have been assessed by numerous fire certification bodies (European and Singaporean) and can adhere to the strictest requirements. The majority of our ducts are Class "O" certified, and higher classes can be provided if required.



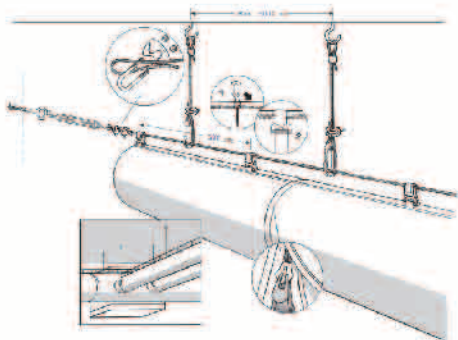
Material & Duct Work

At Euro Air, we understand that no two projects are the same in design and requirements. That is why we offer over 1,000 combinations to meet any possible application.

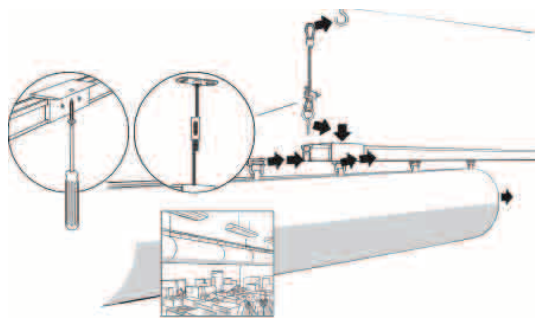


Installation & Mounting

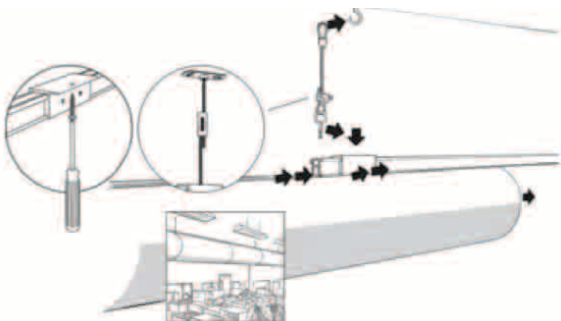
Euro Air have different types of suspension that are suitable for any type of mounting.



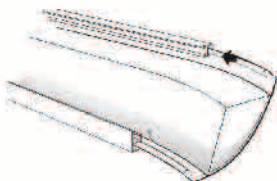
Steel wire suspension wire



Glider & Flexrail suspension



Fasttrack & Flexrail suspension



Fasttrack & Wingrail suspension



Fasttrack & Wingrail suspension

Specifications

Characteristic	Permeable Material						Non-permeable Material	
	Polyster	Trevira CS	DFC	Antistatic	Cleanroom ISO 7	Nomex®	Glass fiber	Injek
Operating Air Quantity	> 50,000 m³/hr	> 50,000 m³/hr	> 50,000 m³/hr	> 50,000 m³/hr	> 40,000 m³/hr	> 40,000 m³/hr	> 30,000 m³/hr	> 10,000 m³/hr
Operating Pressure	40-400 Pa	40-400 Pa	40-400 Pa	40-400 Pa	40-350 Pa	40-350 Pa	100-300 Pa	40-200 Pa
Shapes	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom	Round, ½ round and custom
Permeability	50 to 1,240 m³/m²/hr	50 to 1,240 m³/m²/hr	40 to 325 m³/m²/hr	325 to 550 m³/m²/hr	50 to 775 m³/m²/hr	150 to 325 m³/m²/hr	Nil	Nil
Filter Class	G4 to F8	G4 to F8	F5 to F7	F5 to F6	G4 to F6	F6 to F7	NIL	NIL
Fire Resistance*	EN: Ds2d1 BS: Class 3	EN: Bs1d0 BS: Class 0	EN: Bs1d0 BS: Class 0	EN: Bs1d0 BS: Class 0	EN: Ds2d1 BS: Class 3	EN: Bs1d0 BS: Class 0	In-combustible (800°C)	EN: Bs1d0 BS: Class 0
Colour	3 standard + custom	4 standard + custom	9 standard + custom	1 standard + custom	White only	White only	2 standard	6 standard

Note: Fire rating is according to the Euroclass standards EN13501-1:2007

Certificate of Conformity



PSB Singapore

Certificate ISO 9001: 2008



Certificate Oelotex (harmful substance)



Dealer

Distributor

Manufacturer



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