



THE FEELING OF A NICE
WORKING ENVIRONMENT



V//LOW IMPULSE / SLOT DIFFUSER



//REF.01
//LEISURE ROOMS, RESTAURANTS AND OFFICES
//THE ROYAL SHAKESPEARE COMPANY, THE COURTYARD THEATRE, UK

THE SOUND OF A NICE WORKING ENVIRONMENT

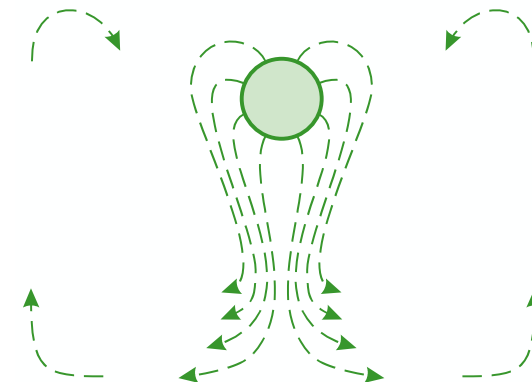
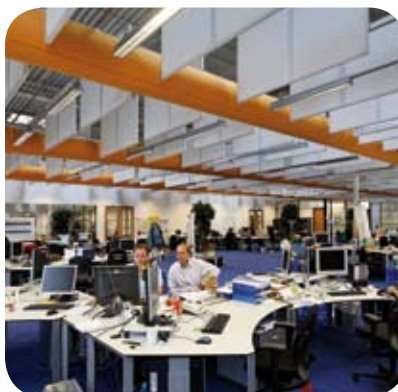
When the Royal Shakespeare Company committed to renovating the Swan Theatre in Stratford upon Avon they chose to construct a very high quality 'temporary' theatre nearby.

Mr Doug King – Building Services Consultant & his team undertook the building services design & chose EuroAir to help specify, design & supply the theatre fabric ducting ventilation.

Mr Doug King:- "It was a project that demanded flexible and fast suppliers if it was to maintain programme & budget. EuroAir's fabric ducting was an obvious choice precisely because it is so flexible and fast"

Mr King also commented on some other aspects of the project revealing the reasons behind the choice of EuroAir as the fabric ducting supplier.

"They really involved themselves in the project & were very dedicated in their work. The installed system works in an optimum way & the theatre are very satisfied with the solution."



ADVANTAGES

The EuroAir low impulse Fabric duct system is the ideal solution for introducing cool air into the area without velocity, for heating & focussed air direction slot diffusers or multi impulse diffusers are used. The simplicity of the design & ease of use of the EuroAir Easy Mount System™ can create installation time reductions in excess of 50%.

FUNCTION

The EuroAir Low impulse (permeable) fabric ducts are the ideal solution when conditioned air is required to be distributed evenly without draught in a given area. The supply air diffuses gently and evenly throughout the whole of the supply duct surface area ensuring that it reaches the occupied zone with very low velocity. If a proportion of the air is to be directed we can use high impulse slot diffusers to create a focussed air pattern.

INSTALLATION

EuroAir fabric ducts are constructed from light weight yet rugged materials. Combined with the EuroAir Easy Mount System™ utilising our Flexrail or Wingrail suspension systems installation is fast and straight forward creating significant savings in installation time. This system also makes maintenance easier as the ducting is quick and easy to dismount.

TECHNIQUE

The supply air diffuses equally through the permeable surface of the duct. When supplying cooling the cold air density creates a displacement air pattern as the cool supply air falls gently to low level displacing the warmer older air. As the cool air reaches a heat source this creates a convection air stream as the warmer air rises to higher level. When introducing warm air we can use the multi impulse system (see later detail) or slot diffusers to project the less dense warm air into the occupied zone at a known distance and velocity.

//INJECT / MULTI IMPULSE SYSTEM >>>



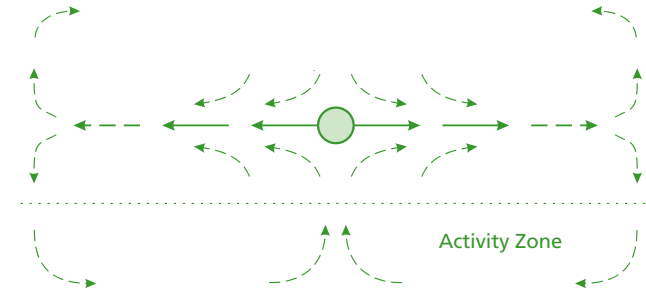
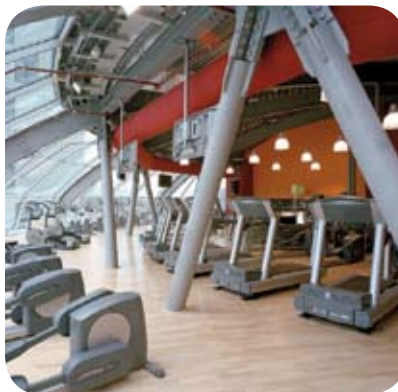
//REF.02
//SWIMMING BATHS & SPORTS FACILITIES
//COMPANY, ZWEMBAD 'T WEDDE, HOLLAND

COMFORT ON LAND, IN THE WATER & IN THE AIR

Swimming Baths & Sports Facilities can be difficult buildings when it comes to the design & control of temperature & air distribution. They know all about that at Zweembad 't Wedde a Dutch Sports and Swimming facility. They chose EuroAir to create a solution to improve their Swimming Pool air circulation & overall environment.

Mr Gerald Van Hal "We had some problems with the seating rows at the back of the grand stadium in the pool. It was so hot that it was unpleasant to sit there for too long. I had to call in some experts on ventilation so that we could solve the problem."

Mr Van Hal continues "We chose the EuroAir design & fabric duct, the effect was immediate. After installation the temperature around the seating fell to a more even & comfortable level. At the same time the system is nice to look at & maintenance is unbelievably easy. We've had the system installed for 4 years now, & we are very happy with our choice & the cooperation with EuroAir.



ADVANTAGES

The Inject & Multi Impulse systems are suitable for a huge variety of applications thanks to their flexibility in design. Compared to traditional rigid duct and grilles a more even and comfortable room climate can be achieved.

FUNCTION

With the Euro Air Inject System (supply air above dew point) equal air velocity and temperature gradient can be achieved in the installed area. The total air volume is distributed through a number of Ø4mm diffusers. With the Multi Impulse system (air above or below dew point) a large percentage of the air can be introduced through the Ø4mm diffusers whilst the remainder diffuses gently through the permeable textile weave (removing the possibility of condensation below dew point). The systems are particularly suitable where there is a need for both heating and cooling. We can also design the systems to deliver low or high velocity air patterns.

INSTALLATION

When installing a duct using the Euro Air Easy Mount System™ in our Flexrail or Wingrail suspension systems installation time is greatly reduced. The Euro Air PVC coated inject material is a wipe clean finish resulting in a very low maintenance installation.

TECHNIQUE

The Ø4mm diffusers are arranged in rows along the length of the duct. The number of rows is dependant upon air volume through the diffusers. The angle that we place the diffusers upon the duct circumference depends upon the room to supply air temperature difference & the travel distance to the occupied zone.

//NOZZLES / MEMBRANE



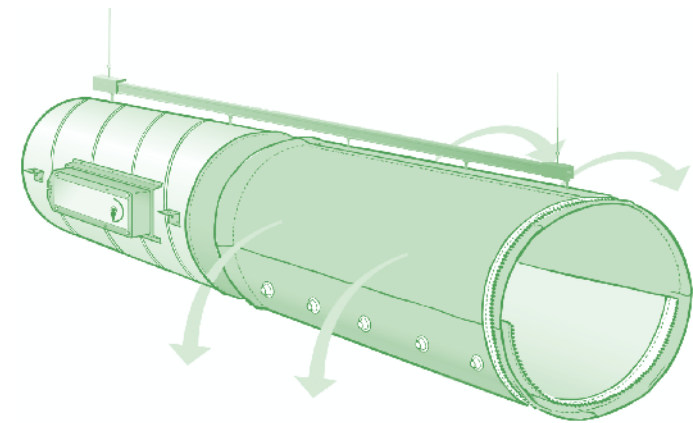
//REF.03
//SHOPS AND SUPERMARKETS
//STORE, CAMP HILL, PENNSYLVANIA, USA

SUPERMARKET WITH SUPER AIR

'Giant Food Store' as with most Supermarkets has high demands for ventilation & temperature control. There was to be a new 'Giant' outlet created in Camp Hill – USA & the customer had some firm ideas about what was required for the ventilation system.

Mr Chris Harmes of Giant Food Stores "Our concern was functionality. The system had to be designed to suit our store layout and concept as well as being easy to maintain & providing the correct technical solution."

"We found just this combination with Euro Air. The system is easy to use & nice to look at, it also has an incredibly low noise level. Additionally we like that fact that Euro Air stay close to us and listen to what we need as the user. They are always ready to help with the details."



ADVANTAGES

The Membrane System provides the flexibility to have two different supply conditions or air patterns in the same duct – not available anywhere else.

The Nozzle System allows good mixing and entrainment and encourages good room air circulation. The Nozzle System is particularly effective at delivering air from high level.

FUNCTION

With the Euro Air Membrane System it is possible to use one duct for two totally different supply air requirements. It is possible to heat & cool in the same duct without significant velocity.

The Nozzle System (Ø18mm nozzles) is used in applications with high ceilings & where good mixing and entrainment is required. Ideal applications are large warehouses and supermarkets.

INSTALLATION

Euro Air fabric ducts are constructed from light weight yet rugged materials. Combined with the Euro Air Easy Mount System utilising our Flexrail or Wingrail suspension systems installation is fast and straight forward creating significant savings in installation time. This system also makes maintenance easier as the ducting is quick and easy to dismount.

TECHNIQUE

The Membrane system, when cooling, uses the Low Impulse permeable weave displacement system. When heating high impulse Nozzles, Slots or Multi Impulse Diffusers are employed to project air into the occupied zone.

The Nozzle system creates a high induction air pattern that induces and entrains surrounding room air to provide a high degree of mixing & destratification.

FACTS ABOUT EURO AIR...

Euro Air is represented all over Europe, Asia, Africa, and in the continental U.S. Our export market equates to approximately 85% of our total turnover. All of our distributors and agencies have received extensive technical and product training, prior to their appointment as official Euro Air distributors.

Euro Air has, since it's foundation in 1991, provided textile solutions for more than 35,000 applications throughout the world. We continue to develop our design software and aim to be the leaders with technical development of our products within the ventilation market.

Our reputation for high product quality is well known within many industries.

We have a strict internal quality control and are one of the few companies in the market to achieve UL certification in accordance to NFPA 90A.

Contact Euro Air, our experienced engineers will be happy to deliver a complete computer calculation of your system.

With Euro Air commitment is included!

DISTRIBUTOR//



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