

# Air Distribution

Environments breathe



# Central air distribution

Our range of systems for connecting air handling units to outdoor environment and distribution plenums is versatile and complete. Designed to meet different installation and design requirements, it allows tailor-made solutions to be created for every context.



## Flex System

The FLEX system consists of flexible hoses available in different models, with sanitation, thermal or acoustic insulation characteristics, and the corresponding connection accessories. Its main features are its flexibility and lightness, which make it quick and easy to install.



## EPE System

The EPE system consists of a set of semi-rigid, elastic and resistant polyethylene foam elements. In addition to offering excellent thermal insulation performance, it has low pressure losses due to its smooth inner surface. It is easy to assemble as it is lightweight and modular, and ensures a neat and tidy installation.

# Ambient air distribution

Our air distribution systems consist of a series of modular and reliable ducts and elements. These components serve to transport clean air to the rooms and convey exhausted air to the air handling unit for expulsion.



## Duo White System

The DUO WHITE system consists of a flexible corrugated pipe with a circular cross-section, available with a diameter of 75 mm or 90 mm, sanitised for the entire life cycle and equipped with the relevant accessories. It also includes the modular distribution plenum, characterised by great modularity and available in space-saving packaging. The system is completed by the PLD-F module for housing the filters, the easy-to-install PLA nozzle and the concealed linear diffusers.



## LowAir System

The LOWAIR system is ideal for applications with limited space for the installation of the air distribution system. The main element of the system is the flexible corrugated pipe with a semi-oval cross-section (dimensions 50x102 mm) with a small footprint. The modular and lightweight system includes a series of specific fittings, plenums and room grilles.

## **PLD Distribution Plenum**



PLD is the modular distribution plenum for the Duo White system, made of galvanised sheet metal and internally coated with sound-absorbing insulation. To further increase noise reduction, it is also available in a PLD-S version, which includes sound-absorbing baffles. Thanks to its modular architecture, starting with just a few basic components, it can be customised to meet any design requirement or site condition. In order to reduce space requirements during transport, the plenum is supplied in a stretched form.

## **Filter Box**



Filtering the air that enters buildings is essential to ensure a healthy environment. Although outside air is rich in oxygen, it can be contaminated with pollutants that it is important to remove in order to maintain high standards of indoor air quality. The filter box is a specially designed module to enhance the filtration of outside air. Made of galvanised sheet metal, it can house class F7 and F9 filters and is compatible with ducting of different diameters. Being independent of the mechanical ventilation unit, it can be integrated into any air treatment system.

## **PLA Nozzle**



PLA is a room vent made of ABS, equipped with connections for the connection of one or more flexible hoses with a circular cross-section. Adjustable brackets for wall mounting allow the depth of the recess to be adjusted. Two spirit levels integrated into the sides of the vent facilitate assembly, allowing for precise alignment without the use of additional tools. Thanks to the cover and protective polystyrene plastering, the nozzles are protected until completion.

## PLA Flow and PLA 80



PLA FLOW and PLA 80 are linear diffusers designed for supply or extract of room air. The variety of connections available ( $\varnothing 75$ ,  $\varnothing 90$ ,  $\varnothing 100$  and  $\varnothing 125$  mm) make these diffusers versatile, universal and suitable for use with all RDZ machines.

**PLA FLOW** is made of galvanised sheet metal and designed to be fully integrated into the plasterboard ceiling, leaving only a 30 mm slit visible.

**PLA 80** is made of galvanised sheet metal, designed for wall or ceiling installation and complete with an elegant and minimalist anodised aluminium grille.

In both cases, the air flow rate can be adjusted as required, with a maximum flow rate of  $150 \text{ m}^3/\text{h}$ .

To keep the pipes clean, a washable filter can be installed in the air extraction nozzles.



## Vega air diffuser

Discreet, effective and easy to install, Vega is the ideal PLA air diffuser for any environment. Made of ABS plastic with a smooth white RAL 9010 finish, it can be painted to blend in perfectly with the wall that houses it. Installation is quick with a quick press.



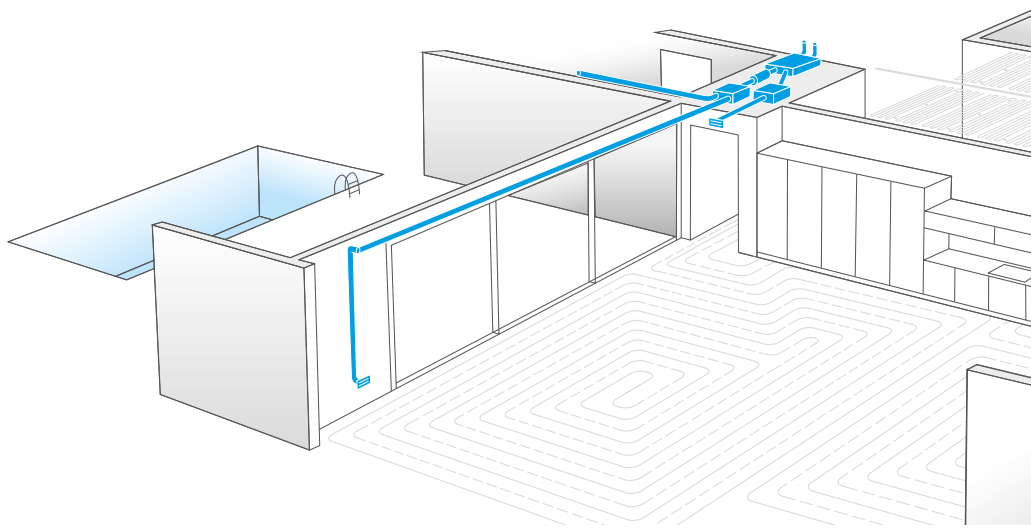
PLA 80 air diffuser



PLA Flow air diffuser



Vega air diffuser



## advantages:



Quick and easy installation



Wide and complete range of components



Efficient and silent operation



Ideal for new construction and redevelopment

Air distribution systems comprise a set of ducts, plenums, vents and accessories necessary for transporting new air inside buildings and expelling exhaust air.

To ensure optimal air exchange in rooms, it is essential that the systems are properly designed and correctly installed.

Our range of components for air distribution systems is extensive and ideal to meet all system positioning and site requirements. The piping that conveys air into rooms is hygienised throughout its entire life cycle to ensure maximum healthiness in every space.

Modularity, variety and quality are the principles by which we have been inspired in the selection of products, with the aim of facilitating installation, allowing great freedom to customise the system even during installation, and ensuring the end user an effective system that lasts over time.



# EasyAir Software

Recirculating and dehumidifying indoor air is essential to ensure health and comfort in buildings, and helps preserve the value of the property over time.

With EasyAir, designing healthy environments is quick and easy.

Our software for designing air treatment systems allows you to graphically construct the system in just a few steps, providing the bill of materials needed to build the system, a detailed technical report and the executive drawing in 2D and 3D format.



**Download  
the free software**





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