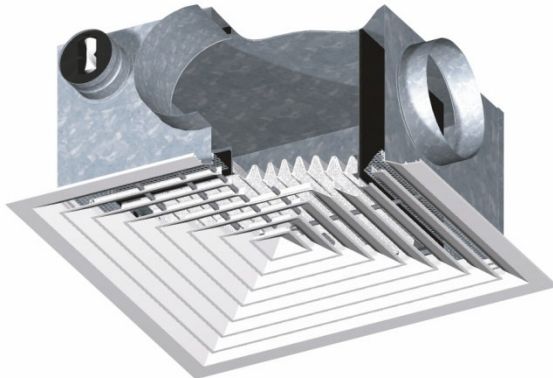


The NEW Aldes solution in air diffusion



Thanks to continuous R&D for developing eco-friendly solutions for building ventilation and improving air-quality, Aldes is known for manufacturing products with high performance levels. Its ambition is to enhance the **level of safety, indoor air quality** and **thermal comfort** in the UAE, especially inside sensitive buildings such as hospitals, schools and hotels.

To solve the problems of by-pass and space restrictions in buildings, Aldes presents its new diffuser - 'Combined' - which provides **comfort** via **discreet design**. With only **one diffuser** instead of two, Combined has an **easy installation** and is very **efficient** in terms of **energy savings**.

Available from October 2010 in the UAE market, Aldes presents Combined - the best air diffuser solution for your esteemed projects.

► Combined air supply & air exhaust for existing systems

Well-adapted to cooling and heating installations, the Combined diffuser fits any kind of ceiling. With a double plenum, the air diffuser assembly ensures both functions of air supply (on the periphery) and air exhaust (at the centre) simultaneously.

This solution has a right operation with standard convector fans and is ideal for heat-recovery ventilation systems and air handling units.

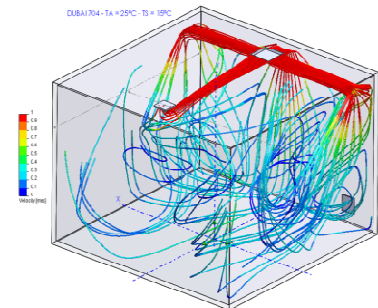
**1 product
= 2 functions**

A perfect Combination offered by Aldes

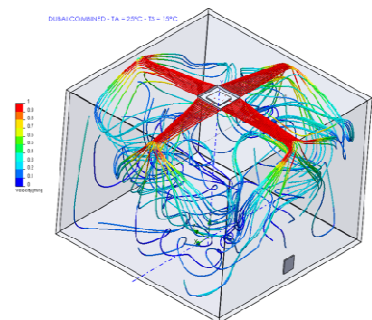
► Combined performance and easy installation

There can be a risk of by-pass when the air velocity insufflated is above 0.37m/s in the supply diffuser, leading to a loss of cooling load. Thanks to the combination of these two functions within one offer, Combined avoids this risk, leading to 30-40% of energy saving.

Bad solution with by-pass effect



Combined solution



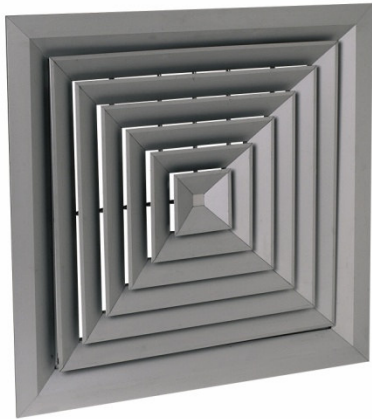
With two dimensions available, Combined diffuser has been designed to replace a 600 x 600 or 675 x 675 mm suspended ceiling tile. It can be fixed to an entire concrete tile using the lugs located on the plenum.

With only one diffuser instead of two, it is now possible to reduce the time spent during installation and maintenance by up to 40%, without any constraints for the exhaust diffuser positioning. Combined is systematically delivered with its plenum, which guarantees right performance.

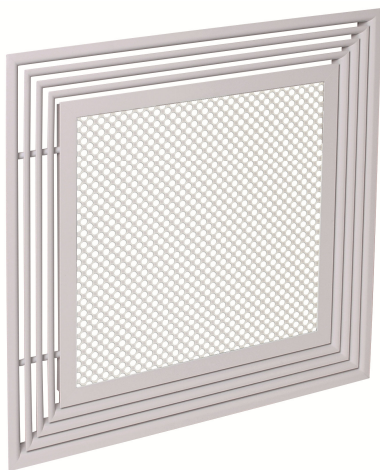
► Combined comfort & design

Aldes ensures that the design of new product offers works in conjunction with the set performance criteria. Combined is no exception and ensures thermal, acoustic and airflow comfort. This diffuser is noiseless and offers a perfect comfort level, from 300 to 1000m³/h.

In order to suit every ceiling, Aldes has developed two different designs for Combined:



4-way square diffuser with a fixed air diffusion



Multi-slot square diffuser: with one, two, three or four slots

As only one diffuser is required for both supply and exhaust functions, the visual impact on the ceiling is minimized.

Technical characteristics of Combined:

- Fixing of the plenum: with discreet non-removable clips or fitted with lugs and using a screw in the neck of the diffuser
- Minimum airflow: 300m³/h
- Maximum airflow: 1000m³/h
- Paint finish: with the RAL colour chart (please contact us for full details)
- Replaces a 600 x 600 or 675 x 675 mm suspending ceiling tile (T-shaped framework)
- Access to filter through the opening in the central core

Please, feel free to contact us for more information or to receive our documentation

