



More than 450 Breezair units have been installed in the VEIASA - ITV (Vehicle testing centers) all over the South of Spain.

Supplier: Australair Ecoclimatización

Design Engineer: Australair Ecoclimatización

VEIASA (Verificaciones Industriales de Andalucía) is a public company which counts 71 vehicle technical inspection centres, ITV. VEIASA believes in continuous development and improvement, promoting energy efficiency while considering employees' wellbeing.

Project requirements

The public company VEIASA (Verificaciones Industriales de Andalucía S.A.) had a significant heat issue in the testing centres. Working conditions were not easy: cars' engines continuously switched on, plenty of cars to be tested, semi-open areas and Andalusia, which is by far the hottest region in Spain. The problem of heat was connected to the stale and polluted air, due to the engines' emissions. Moreover, testing centres usually have at least one side open, to allow cars in and to facilitate stale air extraction.

Solution

Australair Ecoclimatización, official supplier of Seeley International products in the central and southern regions of Spain, approached them, presenting Breezair evaporative cooling, the most suitable solution for semi open areas to improve thermal comfort.

Installation

The management decided to test Breezair units in Huelva, seaside location (therefore pretty humid) and in Palma del Contado, in the middle of Andalusia, a much more dry city.

During trials, management realized that Breezair was the perfect solution to cool testing centres, and decided to adopt evaporative cooling in all 71 plants, completing the installation of 452 Breezair EXS 220 units in three stages (first 123, then 37 and finally the remaining 292 to cover all testing centres in Andalusia).

Results

Breezair was the perfect solution to cool testing centres, because it perfectly works in semi-open areas, drawing fumes, germs and stale air out through building openings. Now VEIASA's employees can enjoy a cool and pleasant environment, and they are absolutely delighted with their improved working conditions.

“Evaporative cooling was the only viable option for ITV: traditional air conditioning units were not an option as they rely on recirculating the air and are not effective in semi open areas.”

- Juan Francisco Rubio Millán, CEO at Australair Ecoclimatización

Benefits

Industrial and commercial buildings usually have heat issues. Air conditioning might seem the obvious solution, but it is expensive to install and maintain; and requires doors and windows to be kept shut.

As outside temperatures increase, buildings with inadequate ventilation become unbearably hot and stuffy. Not only does this effect staff morale, but can lead to absenteeism, reduced productivity and accidents.

Easy to install and maintain, Breezair evaporative coolers are the best solutions when cooling large areas. Only running with water and electricity, they use up to 87% less energy than conventional air conditioning, thus resulting in a significant saving in running costs.

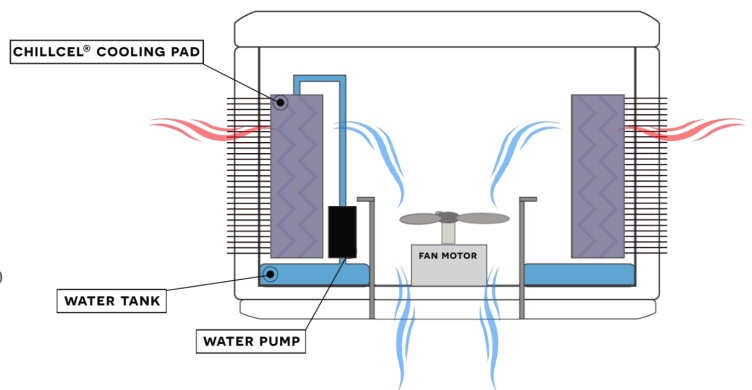
Drawing 100% fresh air from outside, evaporative coolers offer a great health advantage over refrigerated air conditioning, which recirculates the same stale dry air over and over.



How it works

1. Hot outside air is pumped through water soaked pads
2. As the air blows through the pads, water is evaporated and the heat in the air is absorbed
3. A fan then pushes the cool air through a ducting system, which then lets the cool air inside the whole building

Breezair cooling units feature a patented fan which can also be used in fan mode only (with no water), to blow fresh air through the vents.



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