



**When it came to choosing a cost effective and environmentally friendly means of cooling, FACQ looked no further than Breezair Evaporative Cooling**

**Supplier:** Bioclimas  
**Design Engineer:** Bioclimas

**FACQ is a Belgian bathroom remodelling company that sells sanitary ware and bathroom fixtures all around the country. After experiencing high summer temperatures of 34°C - 36°C that were affecting staff working conditions and the customers' buying experience, they decided to find a cooling solution.**

### Project requirements

FACQ have 14 showrooms and 37 "Sanicentres", where they sell their retail product along with numerous commercial warehouses all throughout Belgium that required cooling for the summer.

Low running and installation costs were a requirement for FACQ and therefore standard air conditioning was not a feasible option.

### Solution

Bioclimas, official supplier of Seeley International products in Belgium, was contacted by FACQ for a suitable cooling solution. They suggested the installation of Breezair evaporative cooling units to fulfil their requirements as evaporative cooling was the only viable option when cooling such large areas, both economically and environmentally.

"Not only can Breezair save you on running and installation costs," says Michel Van Langendijck, partner of Bioclimas, "Evaporative cooling is also kind to the environment, because it only uses water and electricity to run, with no harmful refrigerant gases that deplete the ozone layer and our future as well."

[breezair.com](http://breezair.com)

## Installation

As management opted to install Breezair units for summer cooling, Bioclimas took care of the installation of the Breezair evaporative cooling units in more than 25 of their commercial warehouses. There were 2 - 14 Breezair units installed in each warehouse, depending on the size of the area that was required to be cooled. Some of the warehouses are as big as 4000m<sup>2</sup>, requiring up to 14 units.

## Results

Excessive summer temperatures of between 34°C and 36°C have been reduced by up to 10°C following the installation of Breezair evaporative cooling systems from Seeley International (Europe). The system has drastically improved the working conditions for staff at FACQ, both in temperature and health and customers now experience a more comfortable shopping environment at temperatures of 25°C.

**“The Breezair works really well and everyone is extremely happy about the system, which provides 100% fresh air from outside. We are experiencing an average of 10°C temperature drop, with respect to when Breezair was not installed, thus improving the wellbeing of workers and clients as well.”**

- Alain Elleboudt, Facility Manager at FACQ

## 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. Running only with water and electricity, they use up to 87% less energy than conventional air conditioning, thus resulting in a significant saving in running costs.

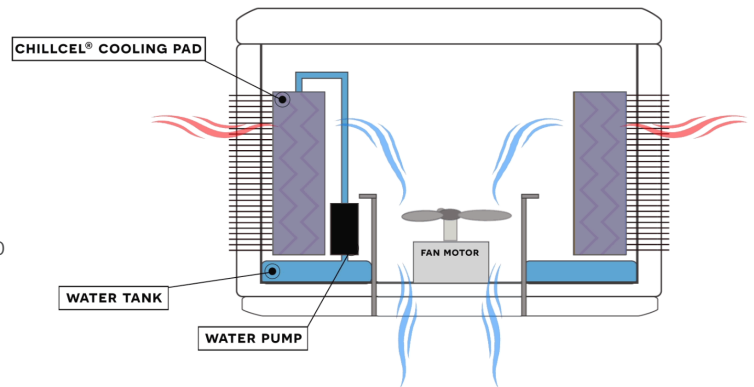
Drawing 100% fresh air from outside, evaporative coolers offer a great health advantage over refrigerated air conditioning, which recirculates the same stale dry air over and over.



## 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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