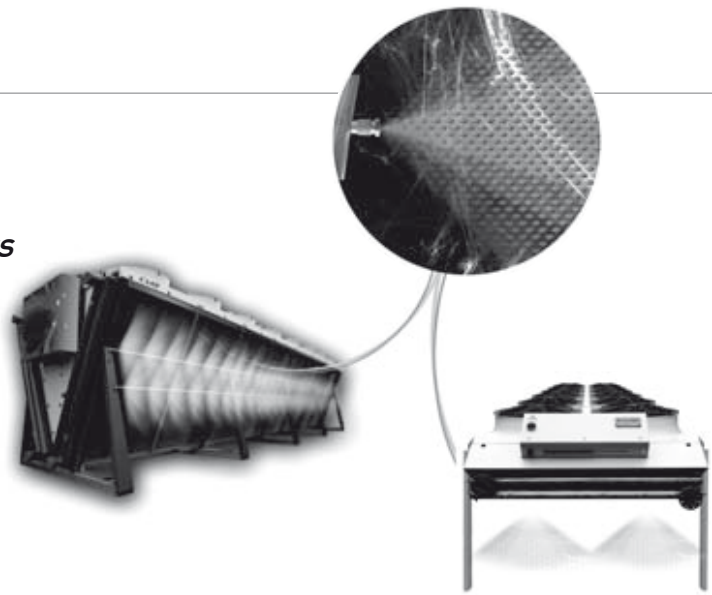
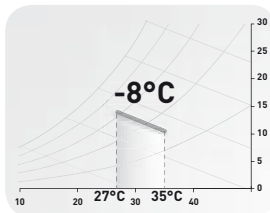


“*Alternative to cooling towers*  
*Smaller units*”



## USE

**AEROFRESH** is integrated into drycoolers and air condensers and provides adiabatic cooling of the air.

- Available for the VEXTRA and OPERA ranges (in horizontal position - induced draught).
- Used during the warmest periods.

## DESCRIPTION

AEROFRESH is a complete air cooling system which uses water misting.

Misting is obtained using a high pressure water spray technology (up to 100 bar). Ultra-fine droplets are sprayed in the opposite direction to the flow of air, causing them to evaporate instantly. The air is cooled before it enters the drycooler.

- Stainless steel misting rails with brass anti-drip nozzles.
- 100 bar pump with pressure gauge - operating pressure between 70 and 100 bar.

- Antibacterial water treatment: 1 filter + UVC lamp continually producing hydrogen peroxide.
- Control: use a control unit with Aeroconnect and an outdoor sensor for automatic misting activation.

AEROFRESH is also available in an ionised water version:

- All metal parts in contact with water are made from stainless steel, including the nozzles.

## ADVANTAGES

- Smaller units.
- An alternative to cooling towers, misting allows the fluid temperature to be reduced.
- Increased power of existing units.

## AEROFRESH ASSETS

- Optimised water consumption:
  - No water supply wastage as all the water evaporates thanks to the ultra-fine droplets.
  - To meet requirements as closely as possible, several nozzle diameters are available and the pressure is set between 70 and 100 bar.
- Health and safety:
  - One 5-micron filter + bactericidal treatment using hydrogen peroxide.
  - Biofilm prevention system.



→ Adiabatic cooling system

# AEROFRESH

This document is non-contractual. As part of its policy of continual product improvement, CIAT reserves the right to make any technical modification it feels appropriate without prior notification.

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