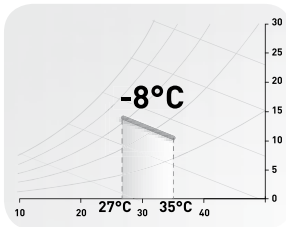
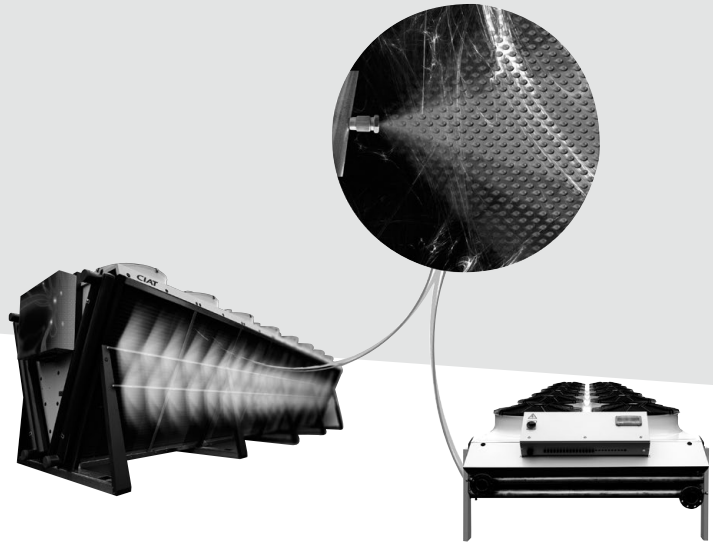


## AEROFRESH™

Adiabatic cooling system

*Alternative  
to cooling towers  
Smaller units*



## USE

**AEROFRESH™** is integrated in 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 technique (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.

This system avoids having to oversize the system to cope with extreme but infrequent high temperatures.

**AEROFRESH™** is composed of:

- an unit with a pump, solenoid valve, pressure gauge, pressure switch and 5 µ filter,
- stainless steel misting rails with brass nozzles.

As an option, a premium version of this unit is available with an additional UV lamp for antibacterial water treatment and automatic controller for managing faults or maintenance.

**AEROFRESH™** is also available in an ionised water version. All metal parts in contact with water are made from stainless steel, including the nozzles.

**AEROFRESH™** is controlled by an AEROCONNECT control cabinet.

## ADVANTAGES

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

## AEROFRESH™ ADVANTAGES

- Optimised water consumption:
  - Very limited water supply wastage thanks to optimised evaporation of ultra-fine droplets.
  - To meet the requirements as closely as possible, several nozzle diameters are available and the pressure is set between 50 and 100 bar.
- Health and hygiene with the optional premium unit:
  - Thanks to the antibacterial UV lamp.
  - Thanks to daily flushing (pipes + cabinet) to prevent the formation of biofilm.



Order No.: NA21.678A, 10.2021. Supersedes order No.: NA19.678A, 03.2019.  
Manufacturer reserves the right to change any product specifications without notice.

Manufactured by: Carrier SCS, Rte de Thil - 01120, France.

The illustrations in this document are for illustrative purposes only and not part of any offer for sale or contract. The manufacturer reserves the right to change the design at any time without notice.