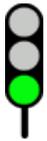


# Chilling with trolleys. Ask for efficiency !

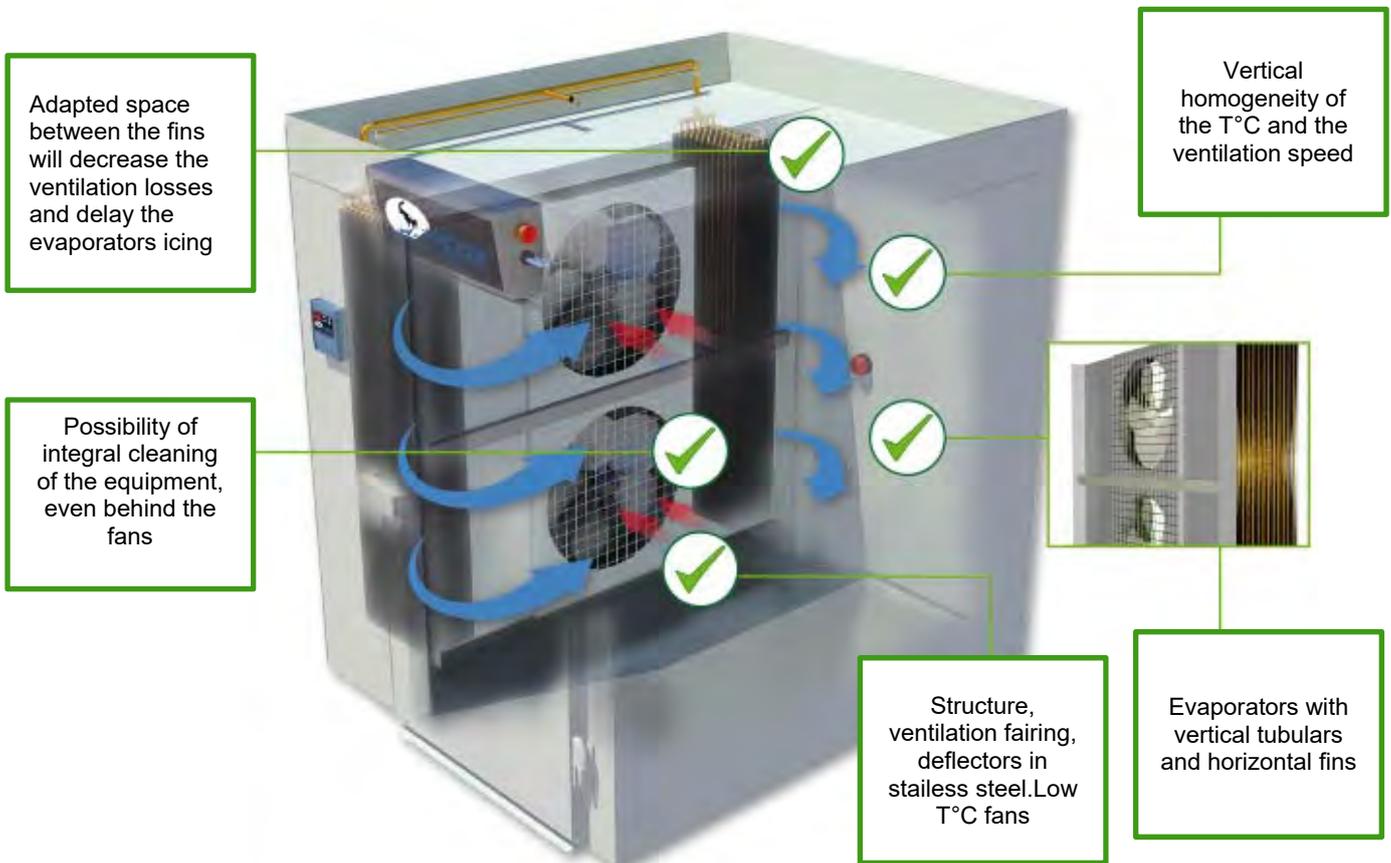


## The blast chilling with the ACFRI tunnels

The ACFRI chilling system includes 2 vertical-type evaporators, with horizontal fins and vertical tubulars.

This system allows a double homogeneity :

- Vertical homogeneity of the evaporated T°C
- Vertical homogeneity of the ventilation speed on the products



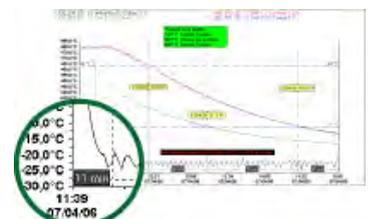
## ACFRI : 40 YEARS OF KNOW-HOW

### A VERY LOW T°C CHILLING

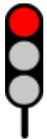
The homogeneity of this system allows to chill at very low T°C without any superficial freezing. This efficiency also allows to use the ACFRI tunnels by introducing trolleys 1 by 1, in continue

### A RESPECTED TRACEABILITY

Associated to a Wireless probes system, each trolley is checked, driven and recorded. The results will allow you to answer to the strictest certifications.



# “Barrel ventilation” (modified cold room) an outmoded technique



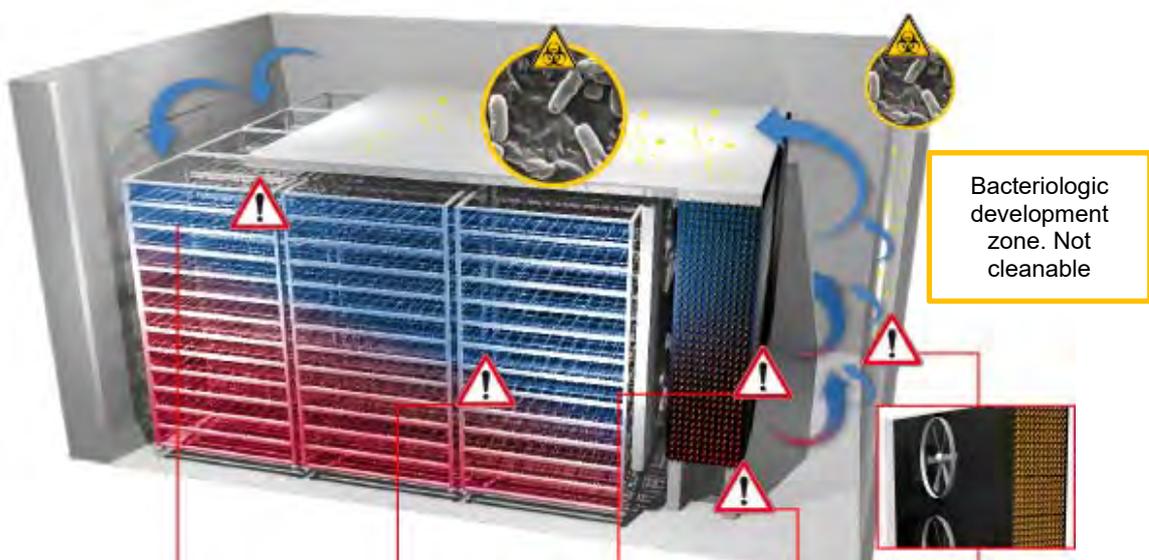
## Chilling in a cold room

The new hygiene certifications and the reinforcement of the new veterinary expectations forces a result obligation.

A lot of industries still chill their products in transformed cold rooms.

However this installations do not answer to the minimuml expectations of a chilling or freezing tunnel.

We will explain why you must not confuse “transformed cold room” and “tunnel”.



Bacteriologic development zone. Not cleanable

High differences of ventilation speed. The top of each trolley is most ventilated than the bottom. The trolleys in front of the equipment are more ventilated than the others.

No side ventilation causes by the vertical fins. The air flow is only produced on the width of the evaporators. The trolleys out of the evaporators line are less treated.

Structure in painted steel. Risk of corrosion and blowing of coating on the products.

1 evaporator with vertical fins and horizontal tubulars means “differences of ventilation on the height” and “ventilation speed losses”.



### AN IRREGULAR BLOWING

The air flow in a “barrel” causes important differences of T°C of products

### AN INSUFFICIENT T°C

As shown on the scheme, the ventilation system and the associated irregularities do not allow to chill at low T°C. This systems are usually limitd at 0 or -5°C making the chilling time too long.

### TRACEABILITY : THE IMPOSSIBLE EQUATION

The differences in the results of this systems do not allow to respect the actual standards

