



HYDROCOOLING - COST-EFFECTIVE PRE-COOLING

agricultural and commercial refrigeration

Specially designed Hydro Cooling Systems are available in air and water cooled designs to meet any requirement.





HYDROCOOLING for CARROTS, SWEET CORN, PEAS, CANTALOUPE



Hydrocooling is Rapid Precooling

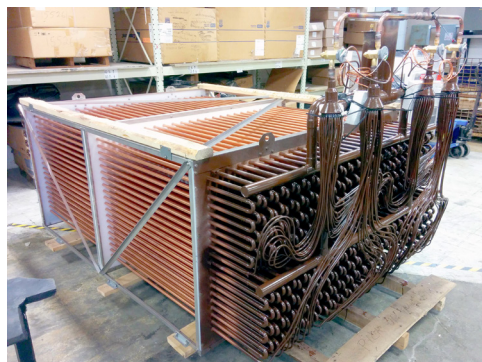
Water is circulated across large mesh filters and a stainless steel dirt settlement area that are easily accessible for cleaning.

Water then passes through massive copper tube refrigerant evaporator bundles that effectively cool the returning warm water and allow any remaining debris to flow through. The bundle also facilitates cleanability better than straight fin designs..



Hydrocooler systems feature easy access panels to the copper tube coil assembly and welded steel mesh filters for inspection and cleaning. The system is designed for rapid cooling in the adjacent KOOLJET or customer supplied variable-speed conveyor tunnel of spray heads. The produce emerges cooled and spray cleaned, ready for further processing.

PEACHES, APPLES, PEACHES, BEANS, BROCHOLLI, ASPARAGUS, BEETS and MORE...



The cleanable copper heat exchanger with water pass-way is designed for accessibility for inspection and cleaning instead of inside a hard to access area.



Low-profile design provides easy access for cleaning. The spray tunnel system is inside the building.

Stationary and Mobile Designs

High Volume Chilled Water Pumping System

Independent Refrigeration Circuits

Serviceable High Quality Bare Copper Coil

Accessible Stainless Steel Water Reservoir

Highly Reliable Electronic Expansion Valves

Precise Electronic Temperature Controller

Systems with Loading and Drying Available

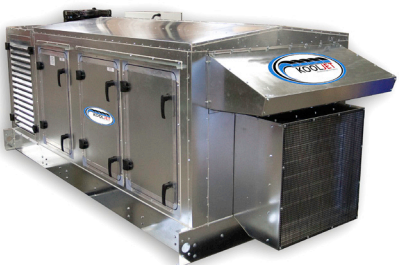
The system can be designed to accommodate bins of field-loaded produce instead of loose produce on the conveyor bed. Loose produce hydrocooling is far more effective and provides a greater amount of field debris clearing during the process. Systems are available as stationary or trailer mounted.

Integrated in-feed hoppers, debris removal, air-knife product cooling and other treatments are available.

KOOLJET Products for Agriculture



THROUGH THE DOOR



THROUGH THE ROOF



HYDRO-COOLERS

PROVEN TECHNOLOGY

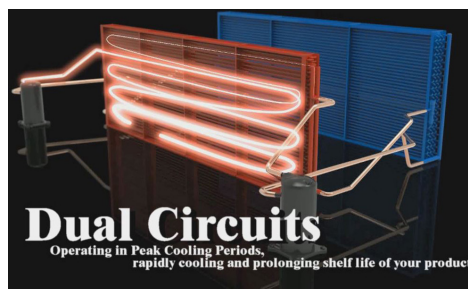
- Forced-Air Systems
- Tunnel-Cooling
- Blast Freezers
- Hydro Coolers
- Process Chillers
- Wine Chillers
- Falling-Film Chillers
- Greenhouse Coolers
- Humidity Control



IN THE DUCT SYSTEM



THROUGH THE WALL



THROUGH THE WALL

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Authority in Cooling and Freezing of Perishables

