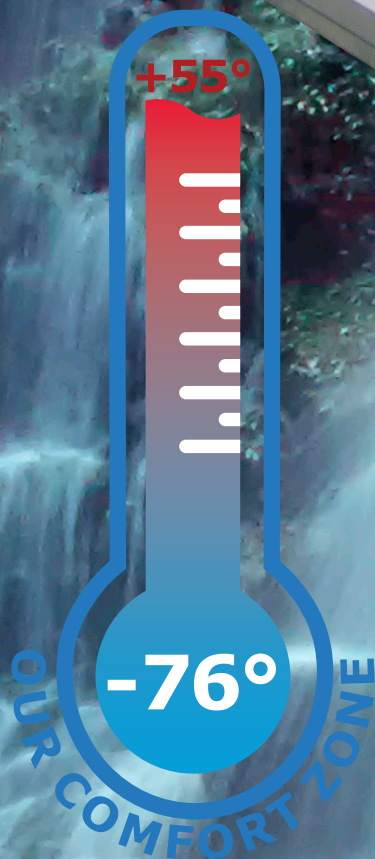




# PROCESS CHILLING SYSTEMS



**MEDICAL  
WINERIES  
PROCESS CHILLERS  
PLASTICS  
FOOD PROCESSING  
COLD-STORAGE  
DAIRY and CHEESE  
GLYCOL SYSTEMS  
BREWERIES  
DISTILLERY  
AGRICULTURE  
DEEP FREEZING  
INDUSTRIAL  
CHEMICALS  
ICE-RINKS**







FOOD PROCESSING • MEDICAL • DAIRY • PLASTICS • BREWERY •

## PROCESS REFRIGERATION SYSTEMS

Customers of KOOLJET enjoy a valuable resource and refrigeration expertise that extends well beyond our long term success with perishable cooling system. From the farm to the largest processors KOOLJET provides a proven resource for many diverse applications. Industrial and Process chillers and systems with integrated pumping, heat-transfer and recovery, thermal storage, multiple zones of simultaneous heating and cooling are all possible in a cost-effective package.

- WIDE TEMPERATURE RANGE - 55°F TO MINUS 76°F
- AIR and WATER-COOLED DESIGNS
- PACKAGED and SPLIT REFRIGERATION SYSTEMS
- PORTABLE, CENTRAL and MODULAR SYSTEMS
- FLUID-COOLING SYSTEMS
- HIGH-PRESSURE VESSELS and CO<sub>2</sub> SYSTEMS
- CUSTOM COILS for ANY MATERIALS and PRESSURES
- COLD-STORAGE and FREEZING EXPERTISE
- HYDRO-COOLING SYSTEMS, SPRAY or FALLING-FILM
- NEMA RATED UL CERTIFIED ELECTRICAL PANELS
- LEAK-FREE THERMAL BREAK OUTDOOR SYSTEMS
- PLC and MICROPROCESSOR CONTROL SYSTEMS
- VARIABLE-SPEED DRIVE SYSTEMS
- SPECIAL MATERIALS and COIL COATINGS
- AUTOMATIC FREE-COOLING and FRESH-AIR SYSTEMS
- MULTI-CIRCUITS and REDUNDANT SYSTEMS
- CASCADE SYSTEMS FOR ULTRA-LOW TEMPERATURES
- AUTOMATIC HOT-GAS DEHUMIDIFICATION SYSTEMS
- FALLING-FILM CHILLER SYSTEMS
- COOLING TOWER SYSTEMS - FREE-COOLING
- TANK-FARMS with MULTIPLE SET POINTS



*Custom packages can feature reciprocating, scroll and screw compressors in multiple and redundant circuits. Air and water-cooled solutions are available.*



*Wineries, breweries and dairies benefit by KOOLJET expertise. Falling-film chillers and refrigerated tank farms are available for any beverage application.*



*KOOLJET manufactures air or water-cooled chillers for medical applications. MRI, CT and Cancer-Treatment chillers can include city-water switchover panels.*

*KOOLJET FREE-KOOL SAVES UP TO 85% OF THE ENERGY COST!*

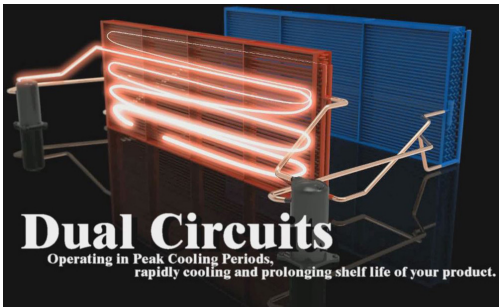
**KOOLJET "FREE-KOOL" Energy Saver Chillers**

*Chillers utilize the outside low air temperatures for chilling liquid instead of operating energy intensive mechanical refrigeration systems. When the ambient air temperature drops below the set point the system allows the chilled liquid to by-pass the chiller and run through the free cooling system, saving approximately 85% of the electrical energy when operating. This also eliminates low refrigerant head pressure and low ambient startup problems. Free-cooling reduces the number of compressor operating hours and eliminates the most difficult operating conditions which extends compressor life.*

**IN-LINE Free-Cooling Systems**

*Kooljet "FREE-KOOL" packages can be incorporated IN-LINE to any system to give all the Free Cooling benefits to existing or new chilled water system. Enjoy the following benefits.*

- *Outside cold air is utilized instead of compressor electricity.*
- *Running period of existing compressors will be reduced.*
- *Reduced wear and tear due to fewer hours of operation.*
- *Life expectancy of existing equipment will be extended.*
- *Energy costs will be reduced.*
- *Free cooling system automatically switches when required.*
- *Payback for a new system could be as little as 12 months.*



*For space cooling, Dual-Kool provides rapid cooling when required and significantly reduced energy during maintenance cooling.*

**DUAL-KOOL TECHNOLOGY SAVES DOLLARS**

**DUAL-KOOL** uses two independent circuits with inter-leaved coils. The system automatically stages off one of the two compressors whenever possible, allowing one compressor to use all of the coil surface. This enhances energy efficiency for the compressor.

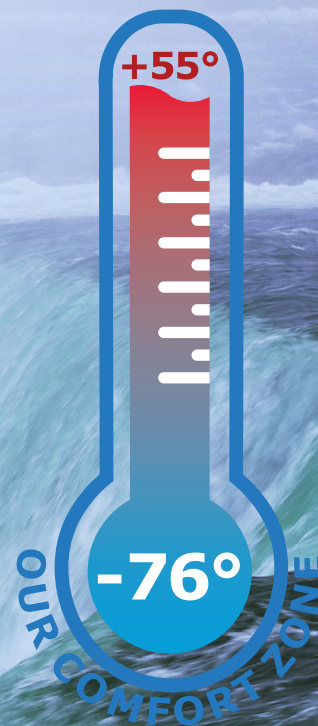


*Custom air-cooled equipment can be Packaged or Modular in design for field-assembly and expansion. Can include pumping.*



# Custom Refrigeration Packages

- Fruit and Vegetable Cooling Expertise
- Industrial Process Chillers
- Dairy Refrigeration
- Winery and Brewery Chillers
- Medical and Critical-Duty Chillers
- Portable and Central Chillers
- Pump and Tank Systems
- Heat Transfer and Heat Recovery
- Multi-Circuit and Redundant Systems



THROUGH THE DOOR



THROUGH THE ROOF



HYDROCOOLERS

## PROVEN TECHNOLOGY

- Forced-Air Systems
- Tunnel-Cooling
- Blast Freezers
- Hydro Coolers
- Process Chillers
- Medical Chillers
- Heat-Transfer Systems
- Winery Chillers
- Falling-Film Chillers
- Deep-Freezing
- Humidity Control
- Tank and Pump Systems



IN THE DUCT SYSTEM



THROUGH THE WALL



THROUGH THE WALL

KoolJet

Toll Free: (866) 748-7786

[www.kooljet.com](http://www.kooljet.com) | [info@kooljet.com](mailto:info@kooljet.com)

Authority in Cooling and Freezing Technologies

