

## SWK SERIES



## WINTER KOOLER SYSTEM

### SUPPLEMENTAL COOLING PROVIDES ENERGY SAVINGS

Winter-Kooler systems are designed to allow process cooling water to bypass the chiller when ambient air temperatures are low enough to provide cooling without the help of mechanical refrigeration.

- Corrugated aluminum fins with staggered copper tubes for optimum heat transfer
- Energy-efficient fan motors; direct-drive fans rotate at 1,140 rpm
- Thermal overload protection and permanently lubricated ball bearings on fan motors
- Full baffled fan sections for structural strength; prevents fan wind milling during off cycles
- Automatic pump switchover
- Fan motor leads wired to weatherproof electrical enclosure for single-point field wiring
- Sizes available from 20 to 250 tons (multiple units used above 165 tons)

#### Features

- Winter fan cooling instead of mechanical chiller cooling
- Pad or roof mounted
- Allows chiller to be turned off in winter months
- Axial fans are the only moving parts
- Weather resistant construction including:
  - Heavy gauge aluminum cabinet.
  - Weather protected fan motors
  - Aluminum fan blades
- Fan cycling for varying load ambient conditions

#### Benefits

- Greatly reduced energy costs
- Save floor space
- Prolongs the life of the chiller
- Less maintenance requirements
- Longer life equipment
- Consistent process water temperature



## SWK SERIES



### Specifications

This diagram illustrates the suggested installation for those areas that have low ambient temperatures (below 10°F). It shows that the chiller is replaced by the SWK Winter-Kooler during those times when the temperature is below the rated ambient of the chiller. The SWK could replace the chiller anytime the ambient is below 40°F and can typically pay for itself in less than 18 months (depending on usage time and electrical costs).

