



# HEAT & COOL

## AWX SERIES WINTER KOOLER



AEC protects your investment with a full one-year warranty on all parts and materials and a full one-year service policy (in continental USA, Canada, and Puerto Rico), including labor and materials furnished by AEC. This, plus our comprehensive service organization, provides user protection unparalleled in the industry.

### AWX SERIES WINTER-KOOLER

- 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 weather proof electrical enclosure for single-point field wiring
- Sizes available from 20 to 250 tons (multiple units used above 165 tons)

#### WINTER-KOOLER 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

#### WINTER-KOOLER BENEFITS

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

Warning! For Winter Coolers operating without glycol mixture, adequate freeze protection is necessary during ambients below 32 °F. Damage will occur to the tubes if pure water is allowed to freeze. AEC, Inc. does not warrant the Winter Cooler should any freeze damage occurs



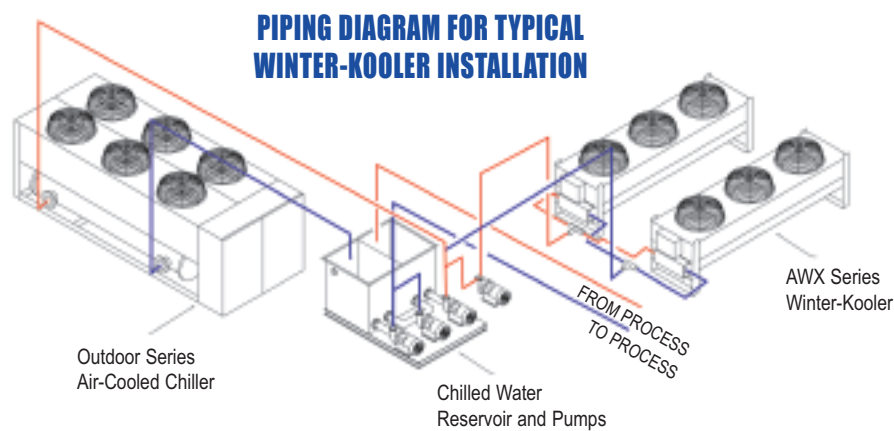
1100 E Woodfield Road  
Schaumburg, IL 60173 USA  
Tel. 847-273-7700 Fax 847-273-7804





# HEAT & COOL

## AWX SERIES WINTER KOOLER



AEC's Winter Kooler is an energy-saving supplemental chilling system that is designed to allow process cooling water to bypass your chiller whenever ambient air temperatures are low enough to provide sufficient cooling without mechanical refrigeration. Depending upon your local climate conditions and electrical energy cost, a Winter-Kooler can pay for itself in as little as six months of operation, or less. AEC has designed Winter-Kooler systems that can be installed in conjunction with air-cooled or water-cooled chillers and will work with either a central or chiller-contained pump tank assembly.

An optional Winter-Kooler automatic switch-over system has also been developed to bypass the chiller when weather conditions permit. This option is recommended on divided reser-

voir systems as an alternative to the more labor intensive manual switch-over system (standard). It's ideal for optimum performance during the months in which ambient temperatures fluctuate around 40°F.

Winter-Koolers can also be installed as an energy conserving addition to existing installations with only minor adjustments required. AEC provides custom engineering services at no additional cost including:

- Plant and process survey to determine requirements
- Equipment recommendations
- Electrical and flow schematics



1100 E Woodfield Road  
Schaumburg, IL 60173 USA  
Tel. 847-273-7700 Fax 847-273-7804

