

# Chillin' with AEC

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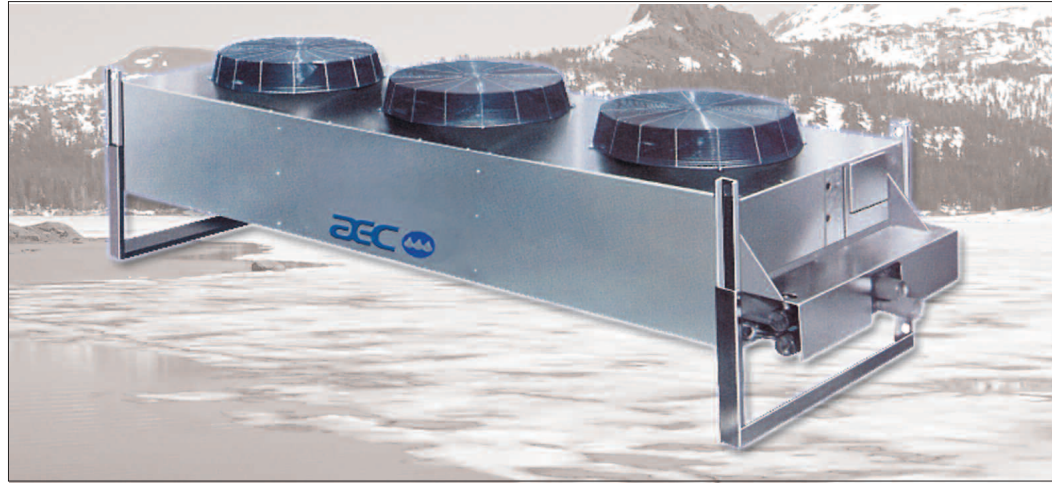
## Winter Kooler Pays For Itself in 6 Months

**AEC Winter Kooler extends the life of your chiller and saves on energy costs!**

SCHAUMBURG, IL - AEC's Winter Kooler Series offers huge pay back for your company's bottom line, it can even pay for itself in as little as 6 months. Why run your chiller all year long decreasing it's life and using extra energy when, with an AEC Winter Kooler, you can use the weather to work for you. You can even start to look forward to winter!

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.

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.



## Your Friends May Not Pay You Back But Your Winter Kooler Will

Depending on 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. Winter Koolers can also be installed as an energy conserving addition to existing installations with only minor adjustments required.

Chiller Tonnage	Amp Draw	Electrical Savings per Year			
		50°F	55°F	60°F	65°F
Water Temperature		50°F	55°F	60°F	65°F
50	82	\$4,824	\$6,684	\$8,340	\$9,912
75	133	7,537	10,444	13,031	15,487
100	162	9,547	13,229	16,506	19,617
125	228	13,567	18,799	23,456	27,877
150	260	15,376	21,305	26,583	31,594
175	298	17,286	23,951	29,885	35,518
200	324	18,995	26,318	32,839	39,028

*Note: Above information is calculated based on Indianapolis Weather Data, 50 weeks, 7 days, 24 hours a day. Energy cost used is \$0.05 kWh. The cost savings above do not include the chiller maintenance savings you will also receive.*



*AEC's Winter Koolers can be pad or roof mounted saving you valuable floor space.*



## Is Your Chiller *Tired*?

Why over work your chiller when the Winter Kooler can provide the same consistent process water temperature for less energy cost and demand on your chiller. It utilizes fan cycling for varying load ambient conditions, and the fans are the *only moving parts* creating less maintenance requirements.

## SIT BACK AND LET WINTER KOOLER DO ALL THE WORK

AEC Winter Coolers are here to save you cost and wear on your chiller... but what about wear on you? An optional Winter Cooler automatic switch over system has been developed to bypass the chiller when weather conditions permit.

AEC recommends this option on divided reservoir systems as an alternative to the more labor intensive manual switch over system that comes standard. And why not give yourself a break.

### Winter Cooler Features

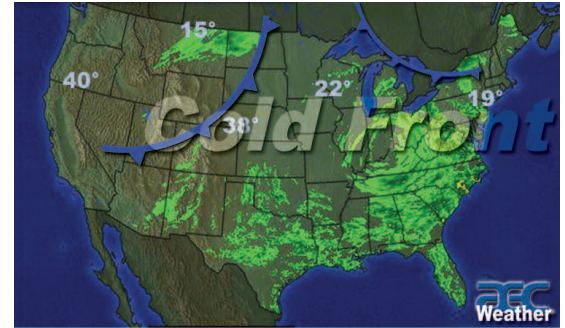
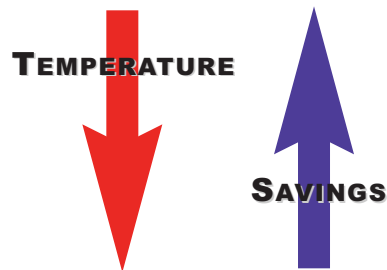
There's more than cost savings to AEC's Winter Cooler!

- Weather resistant construction including:
  - Heavy gauge aluminum cabinet
  - Weather protected fan motors
  - Aluminum fan blades
- 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 cycle
- 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 at 165 tons)

The Winter Cooler's optimum performance is during the months in which ambient temperatures fluctuate around 40°F or lower (temperature measured for 50° fluid).

## AEC DOPLER WEATHER FORECAST

AEC Dopler Radar predicts colder weather in the coming months leading to bigger savings.



## WINTER KOOLER IS HERE TO BENEFIT YOU

AEC's Winter Cooler supplemental chilling system offers many benefits to your process. Using it during the months when the weather is cooler will greatly reduce energy costs. The ability to locate Winter Cooler on a pad or roof saves valuable factory floor space.

By giving the chiller a rest for a few months out of the year you are prolonging the life of the chiller while still maintaining the same, consistent process water temperature you have come to rely on.

The unit itself requires little maintenance because the only moving parts are the axial fans and the durable construction leads to longer life of the equipment.

If that still isn't enough, AEC protects your investment with a full one-year warranty on all parts and materials and a full one-year service policy (for continental USA, Canada and Puerto Rico). This includes labor and materials furnished by AEC. This, plus our comprehensive service organization, provides user protection unparalleled in the industry.

## Contact Your Local Rep Today!

**Allegheny Machinery Group**

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**Aqua Poly Equipment Co**  
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**Shaw Tech Sales, Inc**  
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ID, MN, OR, WA, W. WY, W. Canada

**Wespec, Inc**  
714-775-3758  
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