IEC series

INDUSTRIAL EVAPORATIVE CONDENSER

SGS REFRIGERATION

The Only Industrial Evaporative Condenser (IEC) Available in the Market

- **Fully hot-dipped galvanized after fabrication—1.5-2X the protective zinc layer vs G235 mil galvanized**
- **All nut and bolt construction—no unneeded penetrations in the enclosure or basin**
- **Coil sections have integrated lift points and fewer connection points to the basin—faster installation**

Our innovative blow-through evaporative condenser design begins with quality engineering and manufacturing that incorporates the industrial-grade components and materials you demand. It includes features that speed up installation times and reduce field-assembly steps to get your condenser operational sooner.

Plus, once installed, expect uncomplicated, easy start-up with simplified routine inspections and maintenance for the life of the product. **The SGS Industrial Evaporative Condenser (IEC)** is the logical choice for your industrial heat rejection.

Quality Design.
Built to Last.

Product Construction Benefits

- Hot-dipped galvanized after fabrication components are more robust than mill galvanized
- Fan system:
  - Fully welded (no tack welds) with 6 fan shaft supports specially designed to balance air flow across the coil
  - 340° fan shrouds are robustly constructed and bolted to the basin section in both front and back
  - All drive belts feature heavy duty industrial banded design
- Wash-off flanges angle down to prevent water and debris accumulation—increasing hygiene and reducing biologic contamination

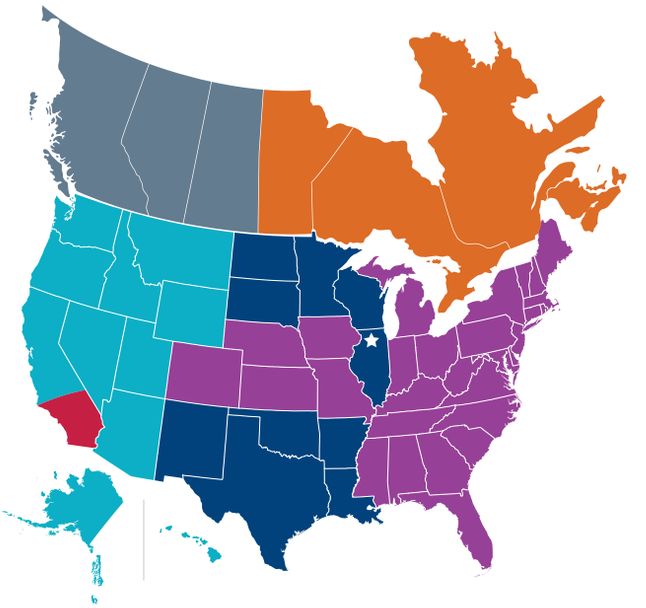
Installation Benefits

- Self-aligning top and bottom modules require only four bolt connections for faster field installation
- Both top and bottom modules include built-in spreader bars for simplified crane lifts
- Sumps are double pitched toward the outlet for proper drainage
- 3D header collar provides a positive seal against the casing and header pipe to help prevent leaks at the connection site

Operational Advantages

- **Exclusive HDGAF** (hot-dipped galvanized after fabrication) **casing resists corrosion and extends product life**
  - Condensers using mill galvanized construction have reduced zinc protection where holes are drilled and panels are bent during fabrication
- Motors are covered and protected from environmental exposure
- Motors are mounted for easy vertical-belt tensioning
- Large, convenient step is mounted with no sump-penetrating fasteners

For your airside industrial refrigeration applications, rely on SGS Refrigeration products from SPX Cooling Tech, LLC



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