

CORROSIVE ENVIRONMENT DESIGNS

Corrosion [cor-ro-sion] - noun

The gradual destruction of materials (usually metals), by chemical reaction with its environment.



- No need for 3rd party or field modifications. Factory built and tested by our industry experts
- Lower cost of ownership by extending the life cycle
- Inherent corrosion protection down to the last nut and bolt
- Quality assurance found with a single manufacturer's warranty
- Available on condensers, condensing units, fluid coolers, chillers & coils



Long Lasting Solutions for Every Environment

Petrochemical • Coastal Locations • Offshore Platforms & Vessels

Tired of the limited solutions available with rebuilt equipment?

Ready for a manufactured system designed for your environment?

At Century Refrigeration, our approach is different. Our experts in refrigeration manufacture your equipment from the base up, building it the right way from the start. Our extensive factory testing leaves you with peace of mind and ETL/UL certification.



Protection Packages

Plus Package

- Galvanized steel cabinetry with corrosion inhibiting exterior paint
- Epoxy Polymer Coil Coating

Prime Package

- 304 grade stainless steel cabinetry and electrical panels
- Epoxy Polymer Coil Coating
- All steel frame work primed and painted with corrosion inhibiting paint

Premium Package

- 316-L grade stainless steel cabinetry and electrical panels
- Epoxy Polymer Coil Coating
- Super Barrier™ fasteners and stainless steel hardware
- All non-stainless parts, including piping and components painted with corrosion inhibiting paint

Ultimate Package

- 316-L grade stainless steel cabinetry with Electropolish treatment
- Epoxy Polymer Coil Coating
- Super Barrier™ fasteners and stainless steel hardware
- All non-stainless parts, including piping and components painted with corrosion inhibiting paint

At Century Refrigeration, our equipment is designed, built and factory tested with no third party modifications. Our flexibility in design and agency listings make us the best choice for your organization.

Available Features

Epoxy Polymer Coil Coating

Provides superior chemical resistance and +6,000 hour salt spray rating. Electrically deposited and dipped for complete coverage and no bridging between fins. Covers all surfaces of the coil, including headers, return bends, and cut edges.

Copper Fin & Copper Tube Coil Construction

Coils can be built with copper fin and copper tube to provide superior corrosive protection and long-lasting fin.

Corrosion Inhibiting Paint

A three step paint process, in which each paint layer provides added corrosion protection, increases the life and quality of your equipment for years of worry free operation even in the harshest of environments proven to resist 70,000 salt spray per ASTM-B117.

Stainless Steel Unit Construction

All components including base, cabinet, enclosures, and coil are Available in 304, 316 and 316L stainless steel.

Super Barrier™ Fasteners

A non-metallic, non-corrosive barrier that is placed between the nuts and bolts and the flat metal mating surface to prevent galvanic corrosion. The barrier also ensures no marring of the metal occurs when tightening or removing nuts and bolts preventing premature rust from forming at fastener sites.

Sheet Metal Passivation

Material treatment that increases corrosion resistance 25-50% from untreated 316 stainless steel. Removes iron and increases chromium and nickel concentrations at the surface of the metal.

Sheet Metal Electropolish

Material treatment that can provide up to 30 times the corrosion resistance of untreated 316 stainless steel. In addition to iron removal and increased surface concentration of chromium and nickel, the surface is restructured to dramatically extend the life of equipment.