

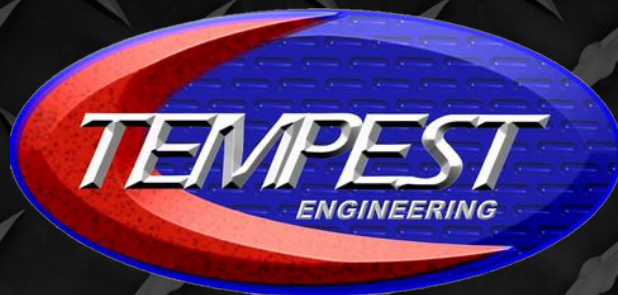
Q:ICE

INDUSTRIAL CHILLER EQUIPMENT



OIL & GAS PROCESSING APPLICATIONS

**CUSTOM
ENGINEERED**



**INDUSTRIAL
REFRIGERATION
SYSTEMS**



INDUSTRIAL CHILLER EQUIPMENT

ENERGY EFFICIENT | ENVIRONMENTALLY FRIENDLY | ECONOMICALLY RELIABLE

EQUIPMENT OPTIONS

ULTRA-LOW TEMPERATURE INDUSTRIAL CHILLERS

-100°F (-73.3°C) to -60°F (-51.11°C)

- Freon Cascade Systems (R-507/R-508b)
-70°F (-56.7°C) to -60°F (-51.11°C)
- Hydrocarbon Cascade Systems (R-290/R-170)
-70°F (-56.7°C) to -60°F (-51.11°C)
- Liquid Nitrogen Exchange Systems
-100°F (-73.3°C) to -71°F (-57.22°C)

LOW TEMPERATURE INDUSTRIAL CHILLERS

-55°F (-48.3°C) to -20°F (-6.7°C)

- Single Stage Compressor Configuration
-40°F (-45.5°C) to 20°F (-6.7°C) fluid
- Two Stage Compressor Configuration
-40°F (-45.5°C) to -55°F (-48.3°C) fluid

MEDIUM TEMPERATURE SPECIALTY CHILLERS

21°F (-6.1°C) to 55°F (12.8°C)

- Class 1 Div 2 Special Electrical Classification
- Special Materials of Construction
- Special Environmental Conditions
- Specialty Process Applications

CUSTOM CHILLER CONFIGURATIONS

- Air Cooled Condenser System
- Water Cooled Condenser System
- Evaporative Cooled Condenser System
- Direct Expansion Evaporative System
- Thermal Fluid Selection

APPLICATIONS

UPSTREAM

- Refrigeration solutions for Onshore/Offshore production
- Gas Dew Point control by refrigeration
- Hydrocarbons recovery

MIDSTREAM

- Refrigeration in Natural gas processing
- Gas to Liquid applications
- Vapor recovery units (VRU)
- Boil Off Gas recovery
- Loading/Unloading Refrigeration
- Small scale LNG liquefaction

DOWNSTREAM

- Process cooling
- Hydrocarbons cooling
- Mixed hydrocarbon, compression & liquefaction
- CO2 processing
- Gas liquefaction
- Light ends separation
- LPG and condensate recovery by turboexpander
- De-ethanizer condenser refrigeration
- Flare gas/vent/vapor recovery
- Chemical reaction temperature control
- Nitrogen chilling Gasoline fractionation
- Utility cooling (chilled water, chilled glycol)
- Fertilizers plant, Ammonia BOG & Ammonia refrigeration system



TEMPERATURE CONTROL UNITS



ALSO AVAILABLE

ENGINEERING &
MAINTENANCE SERVICES
AVAILABLE