

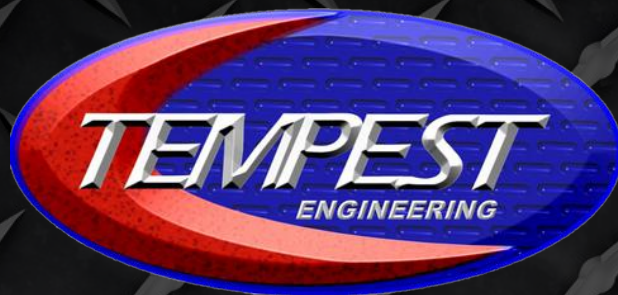


INDUSTRIAL CHILLER EQUIPMENT

The background of the central section is a composite image. On the left, there is a close-up of several blue and white capsules. On the right, there is a blurred image of industrial machinery, likely a pharmaceutical production line, with various pipes, tanks, and mechanical components. The overall color scheme is blue and grey.

**PHARMACEUTICAL
BIOSCIENCE
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

APPLICATIONS

- Single point reactors (Jacket Cooling)
- Reactor trains (50 gallons to 5000 gallons)
- Vent condensers
- Lyophilizers
- Extraction
- Cold Storage

CUSTOM CHILLER CONFIGURATIONS

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



TEMPERATURE CONTROL UNITS



ALSO AVAILABLE

ENGINEERING &
MAINTENANCE SERVICES
AVAILABLE