



Expert thermal
process energy
management

Project:

Replacement of Low
Temperature Chiller

Client: BioVectra, Inc.

Year: 2022

Solution: Custom Designed
Outdoor Low Temperature Chiller
for a Pharmaceutical company



Features:

- One outdoor packaged chiller with integrated air cooled condenser
- R449 refrigerant
- Factory integrated Oil separator
- Suction accumulator and oil cooler
- HP receiver
- Two individual Shell and tube Evaporators
- One dual circuit air cooled condenser
- Glycol process pump
- Electrical control
- Operational training

Highlights:

-  Custom Engineered
-  Air Cooled
-  Factory Testing
-  PLC system
-  Start-up
-  Insulation
-  Low Temperature

Supply of custom outdoor low temperature chiller for a pharmaceutical company to replace its existing low temp chiller. Scope of supply included: one outdoor packaged chiller with integrated air cooled condenser with R-449 refrigerant (with the compressor cooling capacity of 57 ton at -4F supplying 50% EG temperature; and 46 ton capacity at -13F supplying 50% EG temperature), Factory integrated Oil separator, suction accumulator and oil cooler, HP receiver, two individual Shell and tube Evaporators, one dual circuit air cooled condenser, Glycol process pump, electrical control, centralized PLC system, factory testing, start-up, & operator training.

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