

**Project:**  
Chemical Refrigeration System

**Client:** Alphora Research Inc.  
**Year:** 2018







**Solution:** Temperature Control Units and skid chiller package to heat or cool Syltherm XLT heat transfer liquid



**Features:**

- Four Temperature Control Units with electric heater, magnetic drive pump, fluid stop/check valve and temperature control valve
- Air cooled chiller charged with R507 refrigerant containing a two-stage reciprocating compressor, VFD compressor, outdoor air-cooled condenser and evaporator
- High pressure refrigerant receiver
- Electric expansion valve
- Start-up and freight to job site

**Highlights:**

-  Custom Engineered
-  Freon
-  Factory Tested
-  Skid Mounted
-  Air Cooled
-  Start-up

Supply of four temperature control units and a four-circuited air cooled chiller to heat or cool Syltherm XLT heat transfer liquid for a pharmaceutical company. Scope of supply for the TCUs included an electric heater, magnetic drive pump, fluid stop/check valve and temperature control valve. Scope of supply for the skid chiller package included a remote outdoor air cooled condenser charged with R507 refrigerant, semi-hermetic two-stage reciprocating compressor, 30 nominal HP with subcooler and modulating electronic hot gas capacity control, high pressure refrigerant receiver, electric expansion valve, start-up and freight to job site.