



# 2016U SERIES

## Oil Temperature Control Unit

## Technical Specifications

2016U Series Oil Temperature Control Unit provides accurate temperature control with a range up to 550°F (288°C). The 2016U Series Oil Temperature Control Unit include operator-friendly features such as single-pass tank design and an easy-to-use controller for simple, precise operation.

### Features

#### Standard Features

- Temperature range from 100°F to 550°F (38°C to 288°C)
- M2B+ microprocessor controller, includes diagnostic features with LCD Display
- Positive displacement pump capable of reversing to evacuate the process
- Easily removable panels for quick access to internal components
- Pressure activated bypass valve
- Configurable auto vent sequence to automatically vent air from the system at start-up
- Independent high temperature safety thermostat to protect from heater overload
- Motor branch circuit overcurrent protection with phase loss and overload trip detection
- Y-strainer on the From Process line
- Forward-facing liquid-filled "To Process" pressure gauge
- Pressure switch for low pump pressure shutdown
- Audible alarms
- Low level alarm for reservoir
- Drain valve for heat transfer fluid removal and change
- 1 year parts and labor warranty at the factory
- 3 year controller warranty

#### Optional Features

- 12 kW, 18 kW, or 24 kW 36 kW, 48 kW heater
- Operating voltages: 575/3/60, 380/3/50, 415/3/50, 208/3/60, 230/3/60
- Remote Controls enclosure to allow operators full access to unit control from a desired location
- Hour meter to monitor pump run time
- Closed loop heat exchanger for the ability to cool the heat transfer fluid
- General fault visual alarm to alert operators of unit issues
- Multi-zone capable in various design styles that include common wiring and/or piping
- Protective Lexan® cover for additional protection in harsh environments

## Superior Controls

- PID control for both heating and cooling
- Built-in Ramp/Soak feature
- Setpoint, To Process, From Process and DT displays
- Autovent sequence (adjustable from 1 to 10 minutes)
- 2 line by 20 character LCD to display status information and alarms
- Communication Options: 4-20 mA remote set point and retransmission of PV; SPI protocol, RS-485; Ethernet IP via Modbus RTU;
- Auto shut down feature cools the unit in stages
- Built-in Auto-tuning feature to optimize unit performance

