HIGH TEMPERATURE HEAT TRANSFER SYSTEM

MAXIMUM PERFORMANCE. MAXIMUM FOOTPRINT.

The rugged Royal™ Series Compact High Temperature Control System features a simplified, more efficient design to deliver full-sized Sterling performance with minimized overall footprint.

Combined with our state-of-the-art M2B+ Microprocessor for higher accuracy and superior repeatability, it provides precise temperature control up to 550ºF (288ºC). And it's built with Sterling's time-tested, field-proven dependability.

Features

- Compact footprint minimizes floor space
- NEMA 12 enclosure with I.E.C. electrical components meets NFPA 70 & 79 electrical standards, with branch fusing, disconnect switch and single-point connections
- High efficiency 1 & 2 hp positive displacement pump, capable of pump reverse to evacuate the process
- Oil pressure switch
- Process oil bypass line for heater
- To-process pressure gauge on all units
- Expansion/reservoir tank for easy pump-down of system
- Auto-vent sequence
- Removable top, side and rear access panels
- Safety thermostat

Options

- NEMA-4/4X enclosure/entire unit
- Drain valve
- Hour meter
- Audible/visual alarms
- Remote mountable controls
- Lexan cover
- Communications—RS485/SPI, RS232&485/GEN, 4-20 mA or 0-5 Vdc PV input and retransmission
- Multi-port manifold
- Controllers: Sterling 4000, Off-the-shelf 1/4 DIN PID
- Cooling device (Closed circuit)
  - Shell & tube heat exchanger assembly for cooling - 3.9 sq. ft, 6.7 sq. ft.

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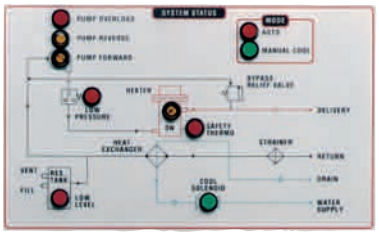
2016M SERIES

M2B+ Controller

- 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)
- ºF or ºC programmable
- 2 line by 20 character LCD to display status information and alarms



System Status Display

- The console features a system status board to report mode, heat or cool, motor run/reverse/ overload and safety thermo trip
- The easy to read display allows quick and complete "at-a-glance" monitoring of system status