

Thermal Equipment Corporation Preventative Maintenance Service

ELECTRICALLY HEATED AUTOCLAVE

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During a Preventative Maintenance, the following items will be completed to ensure that your system is running correctly and safely. A qualified TEC technician should complete these items regularly.

A. PNEUMATIC SYSTEMS

- Drain and adjust all instruments and valve air regulators
- Test, clean and range all I/P transducers
- Inspect and range all pneumatic control valves
 - ◆ Pressuring / vent valves
 - ◆ Vacuum / vent valves
 - ◆ Cooling valve

B. ELECTRIC HEATING SYSTEM

- Inspect heating coils
- Inspect heater contactors
- Inspect, adjust and test all SCR controllers
- Adjust all pressure control switches

C. COOLING SYSTEM

- Inspect cooling system
- Inspect cooling coil & flex hoses for reliability

Water treatment excluded and is a customer responsibility

D. MOTORS, PUMPS, ETC.

- Inspect and grease fan motor
- Check fan motor cooling coil to ensure proper cooling
- Pressure test if needed for leaks
- Replace fan motor gasket if needed (Customer to supply replacement seal)
- Inspect and grease all motors and pumps
Customer to supply required crane

E. VACUUM SYSTEM

- Inspect / drain all vacuum receivers for water/condensation
- Inspect / clean any strainers on water type pump
- Inspect operation of vacuum source valves
- Inspect 715-2000 valve filters

Customer Signature: _____

TEC Technician: _____

F. DOOR SYSTEM

- Inspect / clean and grease door wedges
- Inspect and adjust manual door bolt
- Perform visual on door lock ring system
- Inspect door seal and heat seal
(Customer to supply replacement seals)
- NDE of door can be done as an option
- Grease rear ring of autoclave door system

G: MOTOR CONTROL CENTER

- Inspect motor starters
- Inspect & tighten all load side connections

H. SAFETY SYSTEMS

- Back flush pressure sense line
- Adjust and test pressure in autoclave switch
- Adjust and test autoclave over pressure switch
- Test "Man-in-Clave" system
- Test over temperature alarm
- Replace rupture disc and relief valves

Customer to supply certified valves & discs

I. PART MONITORING SENSORS

- Test T/C panels and passthroughs
- Test vacuum transducers
- Assist with system calibration
- Record and document all control settings (i.e. software configuration, controllers, chart recorder, etc)

FINAL REPORT: TEC will supply a report on the overall condition of the autoclave and components after the PM has been completed. TEC can also provide a quotation for repairs or upgrades if requested.

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