



Process Heating Application Form

Company: _____

Contact: _____

Address:

City, State or Province:

Zip Code or Postal Code: _____

Phone: _____ Fax: _____

Email: _____

Project Reference:

Timeframe for: Project Order _____ Quote/Proposal _____

Pricing Requirement: Budget Firm

Product

1. What is the product to be heated?

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a. Dimensions:

b. Weight:

2. Are solvents present? Yes No

a. If yes, how much or what is the "solvent load" in gallons/batch or gallons per hour? (Class A oven)

b. What is the solvent?

Process

1. Process type: Continuous Batch

If continuous, what are rates? Upstream _____ Downstream _____

2. How is the product loaded and unloaded?

carts racks shelves trays other:

Describe process:

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3. If drying, how much water is being evaporated?

4. Does heating process require exhaust for odor, smoke, etc?

Yes _____ No

5. What is the maximum required operating temperature? (maximum oven set point)

a. Is there a known controlled or critical temperature the product must reach?

Yes _____ No

b. If yes, is there a controlled rate or critical time requirement to bring product up to temperature?

Yes _____ No

6. How long must the product be subjected to operating temperature ("soak", dwell time, cycle time)?

7. Does the process require a controlled cooling cycle? Yes No

If yes, please explain:

Equipment Selection and Options

1. What is the preferred heat source? Electric Natural Gas Steam Thermal Fluid

Propane Other _____

2. What electric power is available? 480/3/60 240/3/60 Other _____

3. Please indicate any requirements for process traceability requiring a chart recorder or data logger.



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4. As standard, LEWCO products generally employ Honeywell temperature controllers and Allen Bradley control components. Are these acceptable or are there special requirements for these components?

Yes No If no, please explain special requirements:

5. Please indicate any other special operator interface or control requirements:

6. Please indicate any physical space limitations of the installation location:

Equipment Installation

1. Who is responsible? LEWCO Customer

2. If LEWCO, in what capacity? Total Supervision

3. Is non-union labor acceptable? Yes No

4. Our standard installation package requires the owner connect utilities (gas, electric, compressed air, vacuum, etc.) to a single point on the oven/furnace. If utility connections to the oven/furnace should be included, what additional lineal footage to pull these utilities from somewhere else in your plant should be included?

5. Will LEWCO installation personnel have clear access to the installation location during normal working hours or are there plant production considerations that may inhibit their ability to complete the work?

Yes No

6. **Please note:** if the oven includes an exhaust fan, the customer is responsible for supply and installation of all exhaust ventilation requirements to outdoors unless otherwise specified.



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7. Does some of the work have to be completed on weekends, overtime, etc.? Yes No

If yes, please explain:

8. Is there adequate staging in proximity of the installation location to store subassemblies, components, tools/equipment, etc. during the installation? Yes No

If no, please explain:

9. Is there adequate room to unload truck(s) and clear space to bring equipment into building without dismantling? (i.e. crane access, dock doors, hallways, etc.) Yes No

If no, please explain:

10. Is a lift truck, overhead crane, welder or any tools available from the owner to avoid installation costs associated with renting this equipment? Yes No

If no, please explain:

Please indicate any other conditions or requirements information important to successfully design and install the process heating equipment for the application.
