

Benz Air Engineering, Co. Inc.

Los Angeles, CA 531 Cypress Street Hermosa Beach, CA 90254 Tel: 310 318-1436 Fax: 310 376-6999	Modesto, CA 500 Glass Lane Suite C-3 Modesto, CA 95356 Tel: 209 527-2384 Fax: 209 527-0968	Austin, TX 810 E. 31 st St Austin, TX 78705 Tel: 209-602-1019 Fax: 310-376-6999
Portland, OR 3822 S.W. Corbett Street Portland, OR 97201 Tel: 503 228-7296 Fax: 503 228-7351	Las Vegas, NV 2099 Bridlewood Dr. Las Vegas, NV 89119 Tel: 702-597-4805 Fax: 702-597-4823	



[email: info@benzair.com](mailto:info@benzair.com)

www.compunox.com

Boiler Bid Questionnaire

Company Name: _____
 Contact Name: _____
 Address: _____

Phone #: _____ Fax #: _____

- Boiler or Fluid Heater: _____
 Watertube Boiler (circle one) A-Type D-Type O-Type Utility
 Firetube Boiler (circle one) Two Pass Three Pass Four Pass
- Maximum output the boiler or fluid heater (lbs/hr): _____
 (If fluid heater indicated fluid throughput/hr and specific heat)
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- Boiler Manufacturer: _____
- Burner Manufacturer: _____
- Number of Burners: _____
- Model No.(if available): _____
- Maximum input (CFH gas per hour per burner): _____
 a. Type (circle one): ring type spud type Other _____
 b. Condition (picture would be preferable): _____
 c. Are there registers? Yes No
 d. Are they adjustable and free moving? Yes No
- High Fire Windbox Pressure (if available): _____
- Operating Pressure (or temp range): _____ Superheat temperature Yes _____ F, No
- Stack Temperature (after economizer if there is one): _____
- Fan Motor Horse Power and Voltage: _____

- a. Fan Manufacturer (if available): _____
- b. Fan Model (if available): _____
- c. Fan Serial Number (if available): _____
- d. Direct Drive or Belt Drive: _____
 Belt drive must be changed to Direct drive
 May require a new fan (may be cheaper than converting)
- e. Type of fan inlet – a picture is helpful: _____

13. Stack Economizer: Yes No (go to 13)

- a. Picture of the stack at the economizer transition to the stack outlet
- b. Flue gas temperature in _____
- c. Flue gas temperature out _____
- d. Water input temperature (or DA Pressure) _____
- e. Note any obstruction to ducting the fan inlet: _____

14. Air Preheater: Yes No (go to 14)

- a. Picture of the air preheater if possible
- b. Flue gas temperature in _____ Flue gas oxygen in (if available) _____
- c. Flue gas temperature out _____ Flue gas oxygen in (if available) _____
- d. Air temperature in _____
- e. Air temperature out _____

15. Boiler location: Inside Outside

- a. Condition of the boiler room: _____
- b. Condition of the external safeties
- c. Are Nema 12 Fan Drives Required? (wet area or is there a motor control panel located in a dry and cool place where the drives can be located?): _____

16. Condition of the Fuel Shutoff Valves (should they be replaced)

- a. How many do they have (Old boilers may have only one)? _____
 Note: Boiler code requires a “double block and bleed valve” which includes two main shutoff valves and one small valve connected to a vent line to the outside.

17. Type of Fuel Control Valve (4-20 ma or I to P or AC valve): _____
 It is suggested that we change the fuel flow control valve with a direct-coupled ball valve.

Please fax to Robert Benz 702-597-4823