



# TEMPERATURE DATA FROM 4.5 HOUR BURN CYCLE (BOILER FULLY LOADED W/ WOOD) USING AN EFFECTA LAMBDA 35KW BOILER WITH 1,000 GALLONS OF THERMAL STORAGE (BOTH LAMBDA AND NON-LAMBDA MODES)

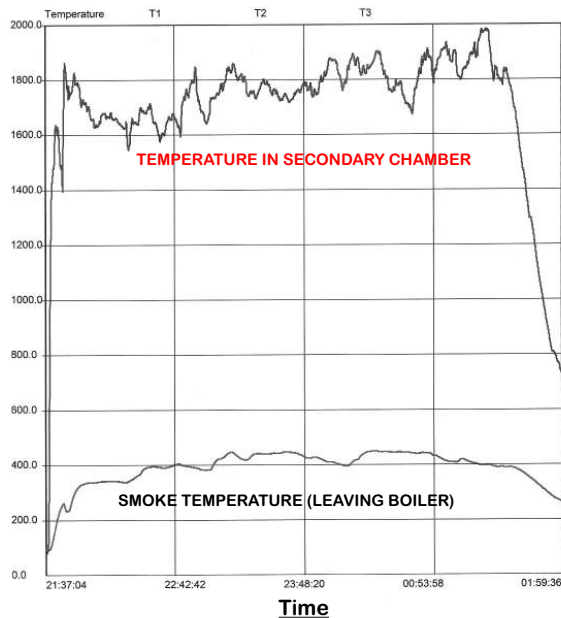


The Effecta Lambda 25/35/60kW boilers have been tested/certified/listed to UL 391, CSA B366.1 and ETL-M solid fuel burning device standards

## BENEFITS OF EFFECTA LAMBDA SENSOR TECHNOLOGY:

- 1.) Increased, more consistent secondary chamber temperatures.
- 2.) Decreased chimney flue gas temperatures.
- 3.) Reduces harmful emissions by 400%.
- 4.) Greatly reduces the "tending" that is required when using non lambda controlled boilers.
- 5.) Allows for accurate matching of species/ moisture content of wood to proper CO<sub>2</sub>% setting to maintain optimum BTU output and lowest possible emission levels.
- 6.) Minimized wood log consumption..

EFFECTA 35 BOILER WITH LAMBDA MODE NOT ACTIVATED

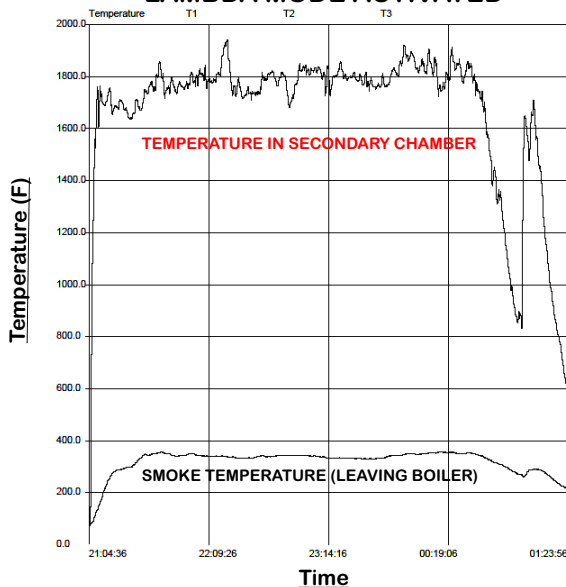


The data found on this publication was gathered using a Dent Elite Pro data logger with (2) 2,400 F thermocouples.

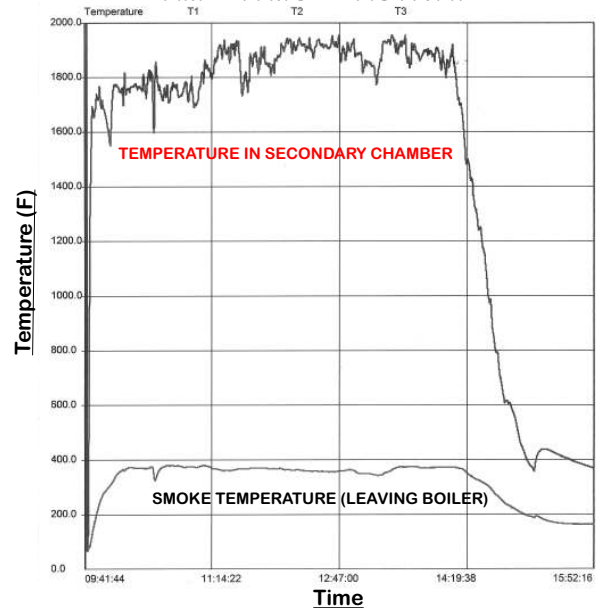
The Effecta Lambda boiler was operated as a closed, pressurized system (approx. 15 PSI) with the CO<sub>2</sub>% set to 13.0%. Approx. 95 lbs of 15% MC hard maple was consumed during the 4.5 hour burns



EFFECTA 35 BOILER WITH LAMBDA MODE ACTIVATED



EFFECTA 35 BOILER WITH LAMBDA MODE ACTIVATED



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