



Model A850 Incineration System

Unique Design Compliant with Air Quality Regulations

- Recirculating flue gases assure clean operation.
- Built by specialists in incinerator systems.
- Designed for safe, easy operation with simple to use controls.
- Includes many benefits of high-priced systems, yet within the budgets of small facilities.
- **850 pound rated load capacity.**
- Easy to use... Set timers and walk away.
- Available with LP, Natural Gas, or Oil burners. Single burner model shown.



LOWEST OPERATING COST IN THE INDUSTRY!

*One simple solution to solid/liquid waste disposal
Immediately eliminates potential to spread diseases*

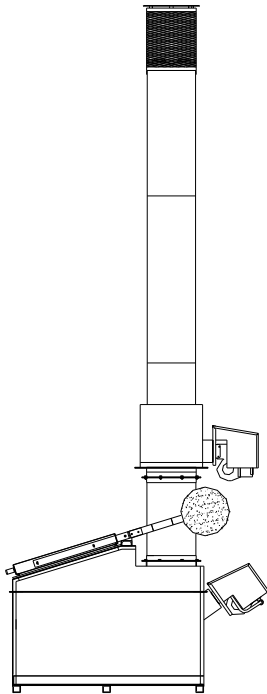
Firelake Manufacturing LLC

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Benefits and Features of the A850 Series



- Concave refractory bottom specifically designed to insure burnout and total destruction of solid and liquid wastes.
- Secondary chamber with burner available.
- Insulated, refractory-lined chambers and stacks for durability, energy retention, and emissions control.
- High temperature refractory lined chamber walls.
- Factory assembled, aluminized steel jacket lined with high-temperature refractory.
- Factory cured chambers and stacks.
- Assembly on-site can be done with common farm equipment.
- Counter-balanced fill door.
- Manual set burn time and automatic shut off.
- Burn times are adjustable by operator to meet varying loads.
- Choice of fuels: LP, Natural Gas, or Fuel Oil.
- Stack Test Data available on many models.
- We provide permit and compliance assistance at no cost.

Specifications Summary

A850 Propane, Natural Gas, or Diesel Fired Incineration System complete with one burner, optional second burner and secondary burn chamber, stainless and / or refractory lined stack and chambers, and manual operating timers.

WASTE CHAMBER		INSTALLATION		
Chamber capacity (Type 4 waste-pathological)	850 lbs	386 kg	Must be installed in accordance with local codes and ordinances, subject to regulatory agencies. Outside installation is recommended with a simple metal roof or three-sided metal shelter, providing a minimum of four foot clearance from any combustible roof materials. Minimum of 18" clearance is required for penetration of combustible roof materials. Inside installations may have special insurance requirements.	
Chamber volume (approximate)	26.5 cu. ft.	.75 cu. m.		
Chamber size (inside)	Width	37" 94 cm		
	Height	32" 81cm		
	Length	48" 122 cm		
Door opening	28"W x 21"L	72 cm x 53 cm		
Height to door	36"	91 cm		
Overall dim's 1 burner, w/stack	172"H x 64"W x 83"L	4.4 m x 163 cm x 211cm	GENERAL Electrical service Standard – 115 volt, 60 HZ, 20 amp Also available – 220 volt, 50 HZ, 10 amp BURNERS LP or Natural or Diesel burner(s) with spark ignition and flame safety shut-off. OPERATION Manual timers TOTAL WEIGHT 4000 lbs. (approximate) 1820 kg	
Overall dim's 2 burner, w/stack	192"H x 64"W x 83"L	4.9m x 163 cm x 211cm		
Suggested min. slab size (1 x w x thick)	8' x 10' x 4"	2.4 m x 3m x 10cm		
STACK				
Diameter	1 burner system 12" 30.5 cm,	2 burner system 14" 35.5 cm		
REFRACTORY THICKNESS				
Primary	3.0"(2800F)	7.6 cm		
Secondary	1.5"(2800F)	3.8 cm		
Stack	1.5"(2800F)	3.8 cm		
APP. FUEL CONSUMPTION		A850 LP	A850 NATURAL GAS	A850 Diesel
Upper burner		0.83 GPH	83 CFH	0.5 GPH
Lower burner		7.2 GPH	660 CFH	3.0 GPH

* Fuel consumption approximate. Actual fuel use depends on BTU content of waste.

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