



Model P25-600 &
P25-600-M1 series

Medical Waste Incinerator Systems



- *How is your facility disposing of medical waste?*
- *Do you have waste management under control?*
- *How much do you spend each year to have waste material hauled to landfills?*
- *How long will these sites be available? And at what future cost?*
- *Who is ultimately responsible for proper waste disposal?*

One simple solution to medical waste disposal

The P25 is designed to burn disposables that can and should be destroyed on-site. These wastes include infectious and contaminated “red bag”, surgical dressings, plastic test devices, animals, and other wastes. If you are paying a high fee to haul these waste materials to a disposal site, now is the time **to consider the on-site incineration alternative.**

On-site incineration is a thorough, fast, and cost effective way to dispose of medical waste. Shenandoah’s P25 incinerator destroys pathogens and meets tight air emission regulations.

- ***easy to install and operate.***
- ***very affordable***
- ***extremely durable***
- ***backed by knowledgeable and friendly service.***



Benefits and Features of the P25 & P25-M1 Series

Fast, complete, efficient waste disposal

- Heavy duty ceramic grates allow burning from below.
- Formed refractory bottom acts as a hearth for waste that falls through grate openings.
- Insulated and refractory lined secondary chamber with exit temperatures of up to 1800F and up to two second retention.

Minimum installation and start-up time

- Factory assembled, aluminized steel jacket lined with high-temperature refractory and brick.
- Recorders and other accessory equipment available.

Easy and safe operation

- Large counter-balanced fill door with electrical lockout.
- Automatic control system provides preset burn times and shut off.

Low energy consumption levels

- Temperature controllers in a compact control box attached to the unit maintain temperature, assuring complete combustion while conserving fuel.
- Pressure blower with modulating air control creates turbulence and distributes combustion air to secondary chamber.
- Secondary burner with temperature-activated modulating control provides fast preheat and sustains high temperature performance at low energy consumption.
- Simple direct spark burners with flame monitoring safety guards.

Specifications Summary	P25-600		P25-600-M1	
Weight	7500 lbs. (approx.)		9400 lbs. (approx.)	
Primary chamber volume (above grates)	23 cu. ft.		23 cu. Ft.	
Primary chamber dimensions (internal)	24.5" wide x 28.5" high x 60" long		24.5" wide x 28.5" high x 60" long	
Fill door opening	24"x 28"		24"x 28"	
Ash door opening	8"x 16"		8"x 16"	
Secondary chamber dwell time	.3 second		1 second	
Secondary chamber preheat	1200F		1800F	
Secondary chamber operating temperature	1800F with waste burning		1800F	
Overall dimensions w/stack & burners	4' wide x 23' high x 7.5' long		5' wide x 23.2' high x 8.5' long	
Height to top of secondary chamber	9' 2"		11' 9"	
Height to fill door	45"		45"	
Diameter of secondary chamber	27" O. D.		38" O. D.	
Diameter of stack	18" O. D.		18" O. D.	
Suggested pad size	10 ft. x 12 ft. x 6" thick		10 ft. x 12 ft. x 6" thick	
Gas service	1,200,000 BTUH		1,600,000 BTUH	
Electrical service	115V 60Hz 30 Amp		115V 60Hz 30Amp	
	LP Gas	Nat. Gas	LP Gas	Nat. Gas
Fuel Consumption*	4.0 GPH	400 CFH	6.0 GPH	600 CFH
Approximate BTUH				
Upper Burner	800,000	800,000	1,200,000	1,200,000
Lower Burner	319,000	335,000	319,000	335,000

*Fuel consumption approximate. Actual fuel use depends on BTU content of waste. Consult factory for longer retention times or special requirements.

Charging Rate

Medical Infectious Waste

Up to 500 pounds per ten-hour day of typical red bag waste rated at 10,000 BTU's per pound with up to 10% pathological material rated at 1,000BTU's per pound. *Based on batch loading up to eight times per day. Dependent upon density, BTU value of the waste and subject to reloading regulations. Additional time may be required for burnout og final charge.*

Pathological

Up to 1,200 pounds per ten-hour day of Type IV, pathological waste reated at 1,000BTU's per pound. *Based on batch loading twice daily. Dependent upon reloading regulations. Additional time may be required for burnout of final charge.*

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