



P60 – M2

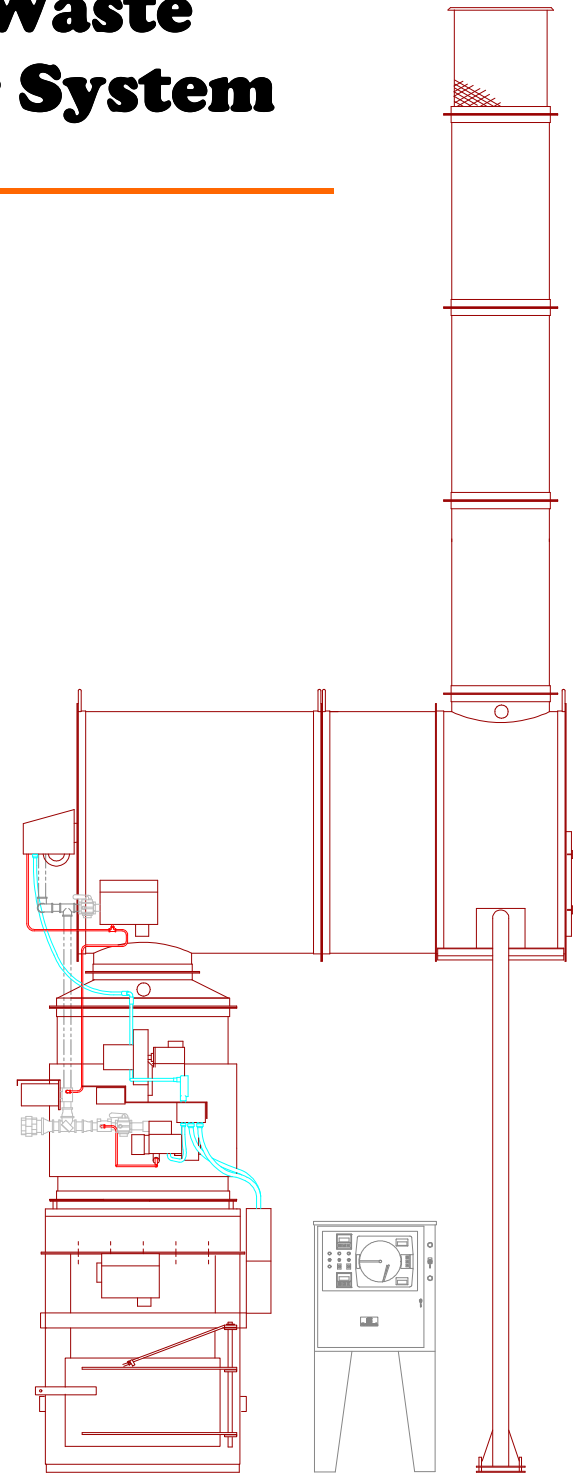
Medical Waste Incinerator System

- *Designed around today's and tomorrow's needs of 100-400 bed hospitals.*
- *Built for durability by specialists in small incineration systems.*
- *Modular system, easy to install.*
- *Designed for safe, easy operation with auto charging and state-of-the-art controls.*
- *Includes many benefits of higher-priced systems, yet within the budgets of smaller facilities.*
- *Designed to meet air dual-chamber combustion.*
- *Controls the spiraling cost of infectious waste disposal with simple, reliable, on-site technology.*
- *Backed by knowledgeable and friendly service.*

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. *Dependent upon density, BTU value of the waste and subject to reloading regulations. Additional time may be required for burnout of final charge.*



P60-M2 Back View

Benefits and Features of the P60-M2 Series

Fast, complete, efficient waste disposal

- Dual-chamber combustion: The proven solution to cost-effective waste disposal.
- Chambers insulated and lined with high-temperature refractory.
- Programmable digital temperature controls and chart recorder.
- Modulating control for fuel and air lowers fuel consumption.
- Preheat and secondary temperatures to 2000F.

Minimum installation and start-up time

- Modular components, factory designed to keep installation simple. Most piping and wiring is completed at the factory, simplifying mist connections to single-point hook up.
- Distributor assistance available for permitting, start-up, operator training and testing.

Easy and safe operation

- Pneumatic ram charging system assures proper burning rate and operator safety. When the loader controls prove the pre-programmed temperatures and elapsed time, the operator places the waste in the hopper, closes the lid and pushes “load” switch, beginning cycle. The vertical charge door on the primary chamber opens, and the ram pushes waste into the chamber. The ram withdraws and the charging door closes automatically.
- Primary and secondary chamber temperatures recorded by dual pen circular chart recorder.
- De-ashing at the beginning of the work day when unit is cool.
- Minimum operator involvement and maintenance.
- With combustion design and manufacturing experience, Firelake Manufacturing is a leading supplier to the health services profession.
- Nationwide network of distributors work with the customer to determine disposal needs, coordinate design, fabrication, factory testing, installation, start up, and field testing of the equipment, providing quality operator training.

Low energy consumption levels

Specifications Summary P60-M2 <i>General reference only. Not intended for installation purposes.</i>			
Primary chamber dimensions(external)	51”H x 75”L x 67”H	Insulation	1” 1900F mineral wool
Secondary chamber dimensions(external)	96”L x 60”D (upper)	Refractory	Primary chamber 4”
	62”L x 42”D (lower)		Secondary chamber 3”
Primary chamber volume	58.4 cu. Ft.	Overall dimension	10’W x 19’L x 33’H
Secondary chamber volume	137 cu. Ft.	Total weight	24,000 lbs (approx.)
Secondary preheat temperature	1800-2000F	Pad size	20’W x 30’L x 6” thick
Secondary operating temperature	1800-2000F	Gas service	4,400,000 BTUH
Secondary retention time	2 second	Electrical service	115V, 60Hz, 30 amp
Height to top of secondary chamber	16’ 6”	Water service	.81 gpm @ 60 psi
Automatic loader/hopper volume	15 cu. ft.	Compressed air	9.5 cfm @ 100 psi
Loader ram	Pneumatically-powered		30 gallon reserve
Stack dimensions	24”OD x 18”ID x 49”L	Fuel consumption	*Natural gas – 1600 cfh
Ash door opening	19” x 36”		*Liquid propane-17.5gph
<i>*Fuel consumption approximate. Actual fuel use depends on BTU content and other waste characteristics. Consult factory for special requirements.</i>			

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