



# P25-M2 Series Medical Waste INCINERATION 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*

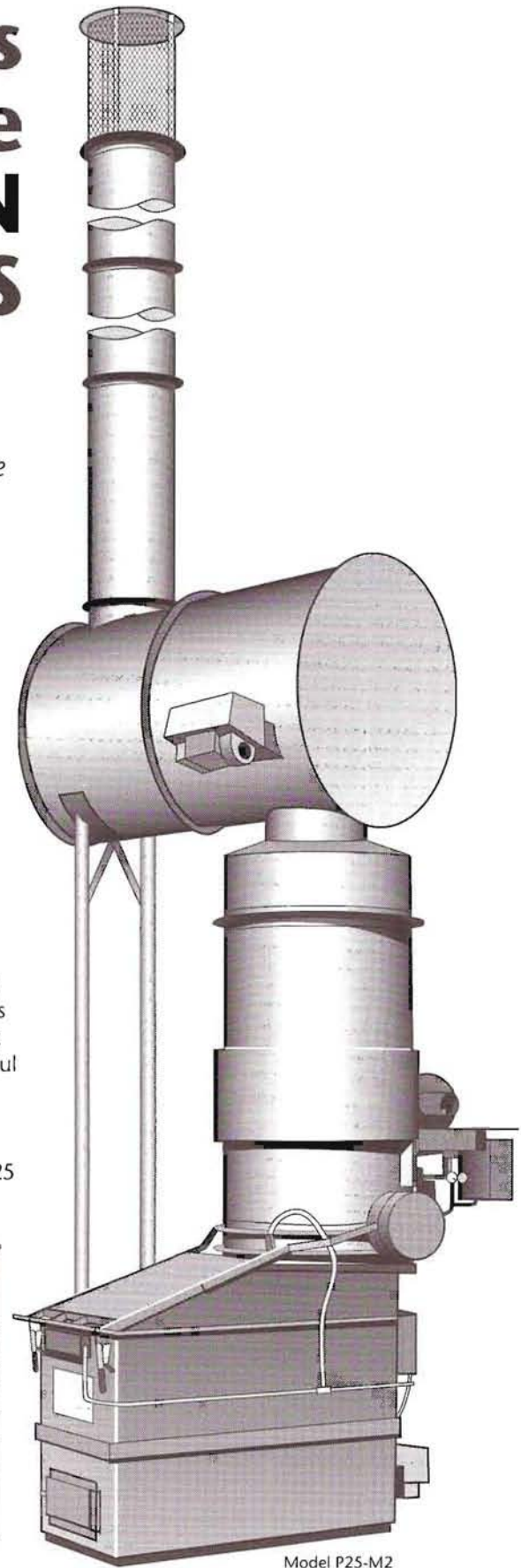
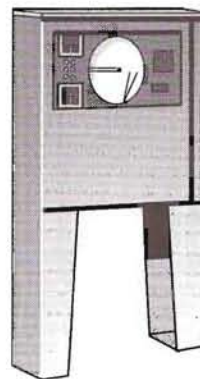
Infectious waste material generated at health care facilities can cause a serious disposal problem. **A Shenandoah incinerator is a safe, easy and economical solution.**

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 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. Our various models are engineered to meet strict air emission regulations.

Shenandoah has designed and manufactured incinerators since 1962, earning the reputation of making quality products that are:

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



Model P25-M2

Shenandoah Manufacturing Co., Inc.  
P.O. Box 839, 1070 Virginia Ave., Harrisonburg, VA 22801 USA

PH: 540-434-3838  
800-476-7436

FAX: 540-434-3068  
800-434-3038

# Benefits and Features of Shenandoah's P25-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.
- Heavy duty ceramic grates allow burning from below.
- Concave refractory bottom acts as a hearth for waste that falls through grate openings
- Insulated and refractory lined secondary chamber with preheat and exit temperatures of up to 1800°F and two-second retention.

## Minimum installation and start-up time

- Modular components, factory designed to keep installation simple. Most piping and wiring is completed at the factory, simplifying most connections to single-point hook up.
- Distributor assistance available for permitting, start-up, operator training and testing.
- Factory assembled, aluminized steel jacket lined with refractory and firebrick.

## Easy, safe operation

- Large counter-balanced fill door with electrical lockout.
- Automatic control system provides preset burn times and shut off.
- Reload light indicates to operator when it is time to recharge.
- Temperatures in primary and secondary chambers are recorded by a dual pen circular chart recorder.
- De-ashing is done at the beginning of the work day when unit is cool.
- Minimum operator involvement and maintenance.

## Low energy consumption levels

- Programmable digital temperature controls 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 of fuel and air provides preheat and sustains high temperature performance at low energy consumption levels.

## Dependable support

- With combustion design and manufacturing experience since 1962, Shenandoah Manufacturing Company is a leading supplier to the health services professions.
- 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.

## Specifications Summary P25-M2 General reference only. Not intended for installation purposes.

Primary chamber dimensions (internal)	24.5"W x 60"L x 28.5"H	Fill door opening	24" x 28"
Primary chamber volume (above grates)	23.3 ft. <sup>3</sup>	Stack dimensions	20"OD x 16"ID x 49"L
Secondary chamber dimensions (external)		Ash door opening	8" x 16"
Upper section	120"L x 42"D	Insulation	1", 1900°F mineral wool
Lower section	84"L x 38"D	Overall dimensions	5'W x 8' 9"L x 28' 3"H
Secondary chamber volume	91.3 ft. <sup>3</sup> , inc. Crown	Total weight	11,500 lbs. (approx.)
Secondary preheat temperature	1800°F	Suggested pad size	15'W x 20'L x 6" thick
Secondary operating temperature	1800°F	Gas service	2,750,000 BTUH
Secondary chamber dwell time	2 seconds	Electrical service	115V, 60Hz, 30 amp
Height to top of secondary chamber	16'	Fuel consumption*	Natural gas—600 CFH Liquid propane—6.0 GPH
Height to fill door	45"		

\*Fuel consumption approximate. Actual fuel use depends on waste density, BTU value and reloading frequency. Consult factory for 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 1,000 BTU'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 of final charge.*

### Pathological Waste

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