



P25 & P25-M1 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

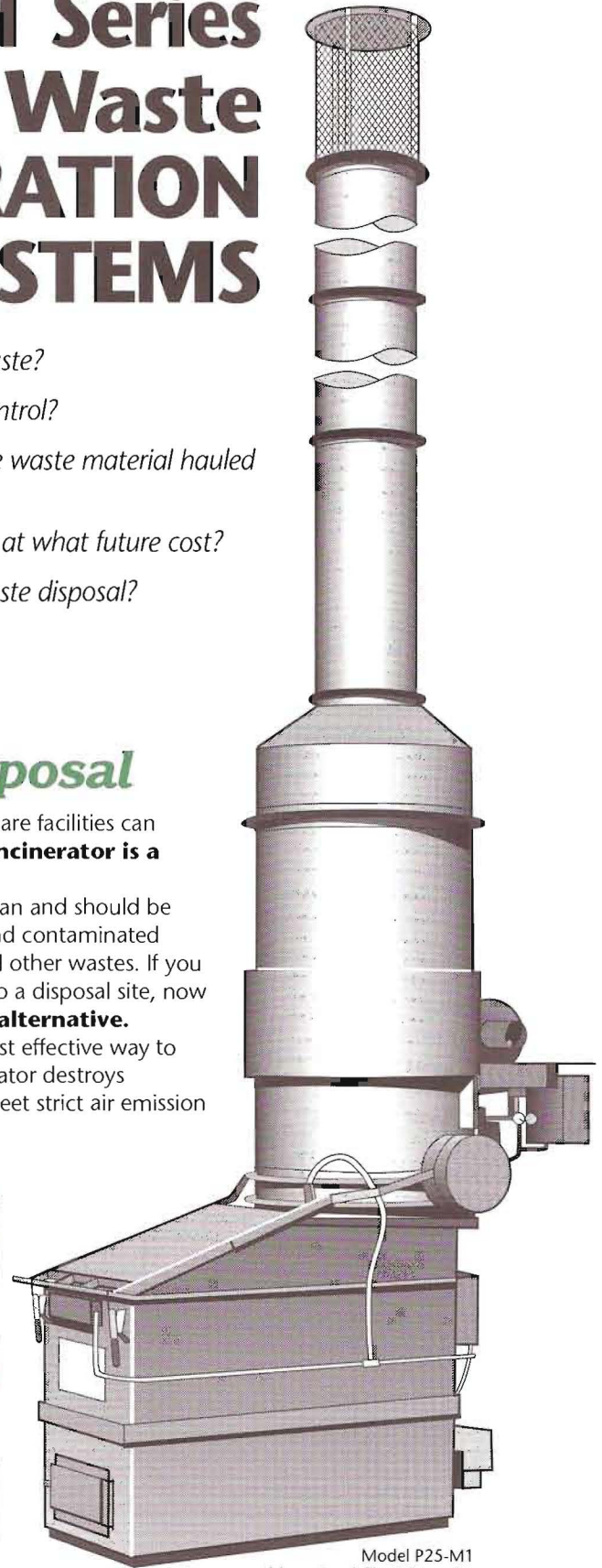
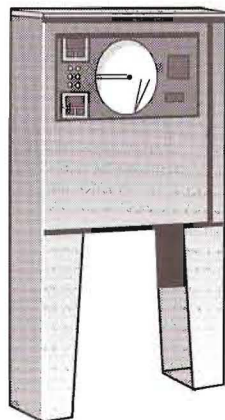
Infectious waste material generated at health care facilities can cause a serious disposal problem. **A Shenandoah incinerator is a safe, easy and economical solution.**

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-M1
with optional Chart Recorder

Benefits and Features of Shenandoah's P-25 Series

Fast, complete, efficient waste disposal

Minimum installation and start-up time

Easy and safe operation

Low energy consumption levels

- 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 exit temperatures of up to 1800°F and up to one second retention.
- Factory assembled, aluminized steel jacket lined with refractory and firebrick.
- Monitors, recorders and other accessory equipment available.
- 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.
- 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 provides fast preheat and sustains high temperature performance at low energy consumption levels.

| Specifications Summary | P25 | | P25-M1 | |
|---|------------------------------------|----------|------------------------------------|-----------|
| | LP Gas | Nat. Gas | LP Gas | Nat. Gas |
| 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 | 1200°F | | 1800°F | |
| Secondary chamber operating temperature | 1800°F, with waste burning | | 1800°F | |
| Overall dimensions w/ stack & burners | 4' wide x 23' high x 7.5' long | | 5' wide x 25.2' 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 30 amp | |
| 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 |

General reference only. Not intended for installation purposes.

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

 **Shenandoah**
 Shenandoah Manufacturing Co., Inc.
 P.O. Box 839, Harrisonburg, VA 22801 USA
 Phone: 540-434-3838 Fax: 540-434-3068



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

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.