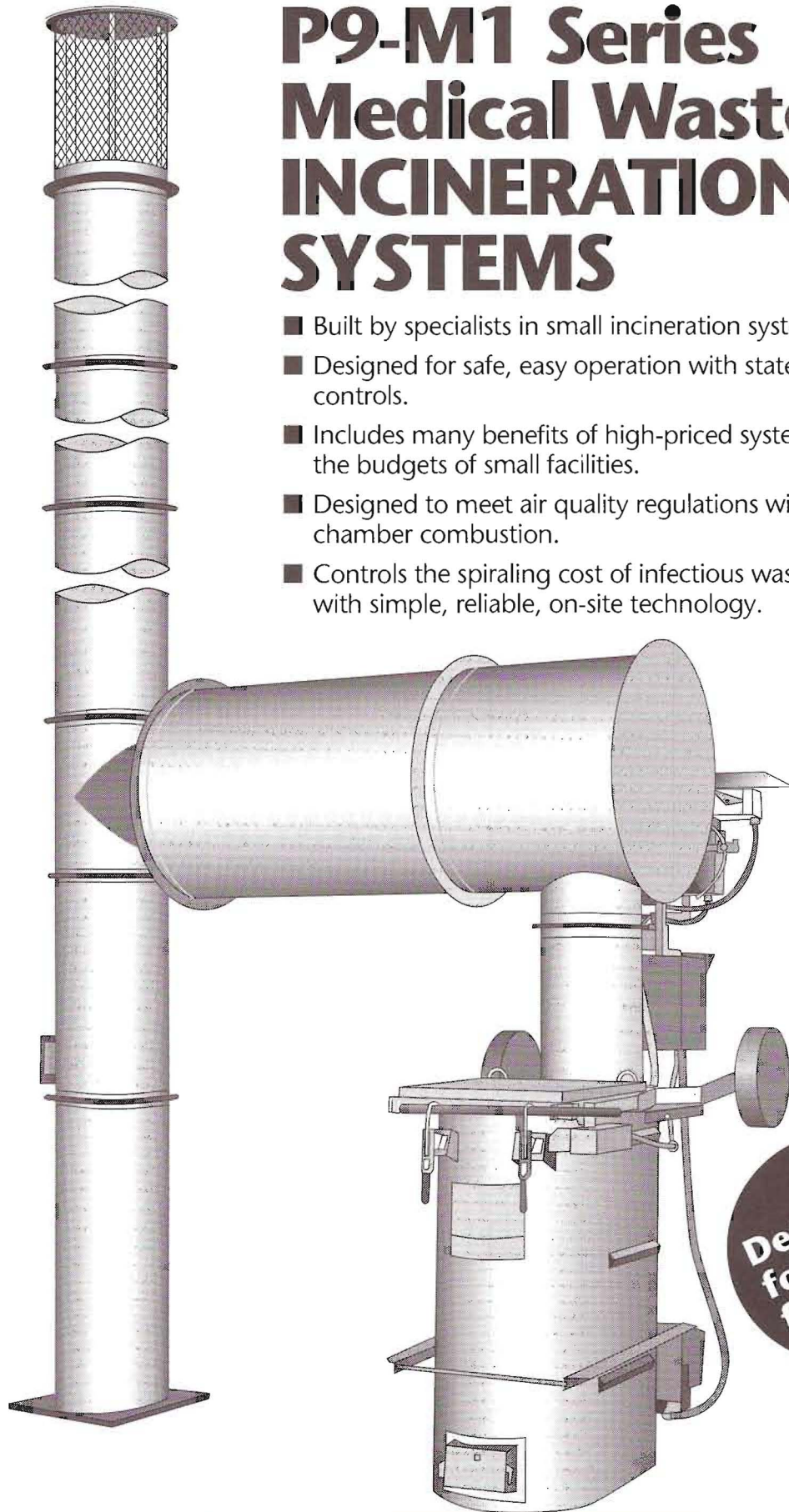




Shenandoah

# P9-M1 Series Medical Waste INCINERATION SYSTEMS

- Built by specialists in small incineration systems since 1962.
- Designed for safe, easy operation with state-of-the-art controls.
- Includes many benefits of high-priced systems, yet within the budgets of small facilities.
- Designed to meet air quality regulations with dual chamber combustion.
- Controls the spiraling cost of infectious waste disposal with simple, reliable, on-site technology.



**Designed  
for small  
facilities**

Shenandoah Manufacturing Co., Inc.  
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# Benefits and Features of Shenandoah's P9-M1 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 one-second retention.
- Factory assembled, aluminized steel jacket lined with high temperature refractory.
- Recorders and other accessory equipment available.
- 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.
- Auxiliary blower distributes combustion air to secondary chamber.
- Secondary burner with temperature-activated modulating control provides preheat and sustains high temperature performance at low energy consumption levels.

## Specifications Summary P9-M1 General reference only. Not intended for installation purposes.

Weight	4100 lbs. (approx.)	
Primary chamber volume (above grates)	8.6 cu. ft.	
Primary chamber dimensions (internal)	19" wide x 27.5" high x 34.25" long	
Fill door opening	18.5" x 19"	
Ash door opening	8.5" x 4.75"	
Secondary chamber dwell time	1 second	
Secondary chamber preheat	1800°F	
Secondary chamber operating temperature	1800°F	
Overall dimensions with stack & burners	10' wide x 22' 5" high x 6' long	
Height to top of secondary chamber	9' 4"	
Height to fill door	4' 1"	
Diameter of secondary chamber	32" O.D.	
Diameter of stack	18" O.D.	
Suggested pad size	12' x 16' x 6" thick	
Gas service	1,100,000 BTUH	
Electrical service	115V, 60Hz, 20 amp	
	<b>LP Gas</b>	<b>Natural Gas</b>
Fuel Consumption*	7.6 GPH	700 CFH
Approximate BTUH:		
Upper Burner	800,000	800,000
Lower Burner	300,000	300,000

\*Fuel consumption approximate. Actual fuel use depends on waste density and BTU content of waste. Consult factory for special requirements.

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### Charging Rate

#### Medical Infectious Waste

Up to 100 pounds per ten-hour day of typical red bag waste rated at 10,000 BTUs per pound with up to 10% pathological material rated at 1,000 BTUs per pound. *Based on batch loading up to three 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 400 pounds per ten-hour day of typical pathological waste rated at 1,000 BTUs per pound. *Based on batch loading twice daily. Cool down period required between charges to prevent overfiring. Additional time may be required for burnout of final charge.*