

## PORTABLE WASTE INCINERATOR



### KEY FEATURES

#### High-Temperature Combustion

- Operates typically between **850°C and 1100°C**, ensuring complete combustion of waste materials.
- Destroys pathogens and reduces waste volume by up to 90–95%.

#### Dual-Chamber Design

- **Primary chamber:** for initial burning of waste.
- **Secondary chamber:** for complete oxidation of gases and smoke.

#### Efficient Air Supply System

- Controlled primary and secondary air inlets for optimized combustion efficiency.
- Reduces emission of harmful gases.

#### Automatic Ignition & Control Panel

- Equipped with digital temperature control, timers, and safety interlocks for user convenience and safety.

#### Emission Control System

- Includes scrubbers, filters, or chimneys to minimize release of harmful pollutants and particulate matter.

#### Durable Construction

- Built with mild steel or stainless steel outer body and high-grade refractory lining for insulation and thermal protection.

#### Safety Features

- Overheat protection, door interlocks, and emergency stop systems ensure operator safety.

### APPLICATIONS

#### 1. Medical and Hospital Waste Disposal

- Safely incinerates infectious materials, used syringes, dressings, and biological waste.

#### 2. Pharmaceutical and Laboratory Use

- Used to destroy expired drugs, contaminated samples, and hazardous chemicals.

#### 3. Industrial and Municipal Waste Management

- Reduces the volume of solid waste and converts it into inert ash.

#### 4. Animal Waste and Pathological Disposal

## TECHNICAL MATRIX

Model	PTE -PI-508 A	PTE -PI-508 B	PTE -PI-508 C	PTE -PI-508 D	PTE -PI-508 E
<b>Capacity</b>	3 Kg	5 Kg	10 Kg	15 Kg	25 Kg
<b>Primary Chamber</b>	12"X12"X18"	12"X12"X24"	18"X18"X18"	18"X18"X27"	18"X18"X30"
<b>Secondary Chamber</b>	6"X6"X12"	6"X6"X12"	6"X6"X12"	8"X8"X12"	9"X9"X12"
<b>Load</b>	12 KW	12KW	22KW	22KW	36KW
<b>Operating Temperature</b>	850°C – 1100°C				
<b>Capacity</b>	10 – 1000 kg/hr (customizable)				
<b>Chamber Material</b>	Mild Steel / SS with refractory lining				
<b>Burning Efficiency</b>	90–98%				
<b>Chimney Height</b>	6–12 meters (as per pollution control norms)				
<b>Fuel Type</b>	Electric				
<b>Control System</b>	Automatic temperature & timer control				
<b>Power Supply</b>	415V, 50Hz				

## OPTIONAL ADD ONS

- Flue gas treatment unit (scrubber/filter for pollution control)
- Automatic feeding system for continuous operation
- Ash collection and removal system
- PLC-based control panel for advanced automation