



Since 1967
MICROTEKNIK



ANIMAL INCINERATOR

JKA-230SA/ JKA-230LA

MICROTEKNIK

Certified with ISO, FDA, CE, GMP and Patented Products



ABOUT MICROTEKNIK

We MICROTEKNIK, leading manufacturer and exporters in the field of scientific laboratory equipments, Engineering educational equipments, hospital equipments, Waste management and Incinerators.

Rich experience of over 5 decades in manufacturing with continuous improvements in producing world class quality products, supported by our in house R & D and users /customers feedback in achieving TEKNIK Brand as Import Substitution.

We owe the responsibility not only to supply quality products on time but till the successful installation-Commissioning and training at users end.

Highly competitive price of world class products with complimentary Periodic check up, spare part management and unsolicited service by TEKNIK made us preferred Supply Partners in National & International Market.

With Warm Regards.

VIKAS JAIN
CEO.

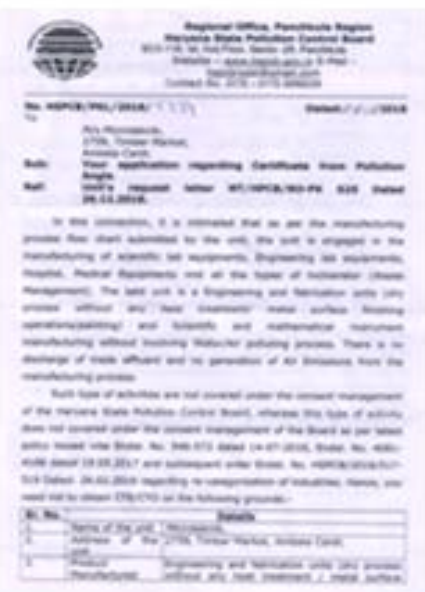
- ✓ **MICROTEKNIK” that has been in the business for past 53 years .**
- ✓ Our machines and equipments are of global standard and as per the norms of the central pollution control board and also as per solid waste management rule-2016.
- ✓ We are certified with ISO, FDA, CE, SSI, MSME, FIEO, FISME, NSIC, GMP and Drug License.

OUR SKILLS

- ✓ Premium Quality.
- ✓ Timely Delivery.
- ✓ Competitive Prices.
- ✓ Highly Efficient Instruments.
- ✓ Sophisticated Infrastructure.
- ✓ Service Backup .
- ✓ Highly skilled engineering.

CERTIFICATES





ANIMAL INCINERATOR



JKA-230SA



JKA-230LA

Animal waste incinerators to be used to incinerate dead animals like Dog, Goat, Pigs, Hen, Cat, Duck, Cow, Buffalos, Ox, Horse etc. It is commonly used in animal hospitals, clinics, animal shelters, dense forest, zoo and animal control area etc. It is widely used to destroy to animal infection diseases, viruses and animal waste material. These products are manufactured using latest technology machinery. Dead animal incinerator with dual chambers for complete combustible their dead bodies / carcass. The chamber temperature is controlled by a digital temperature controller. Separate doors for waste burning chamber and for ash collection and chimney is provided for emission of fumes. The incinerator reduces most combustible solid waste to nearly 2-3 percent by volume and 3 % by weight.

CONSTRUCTION

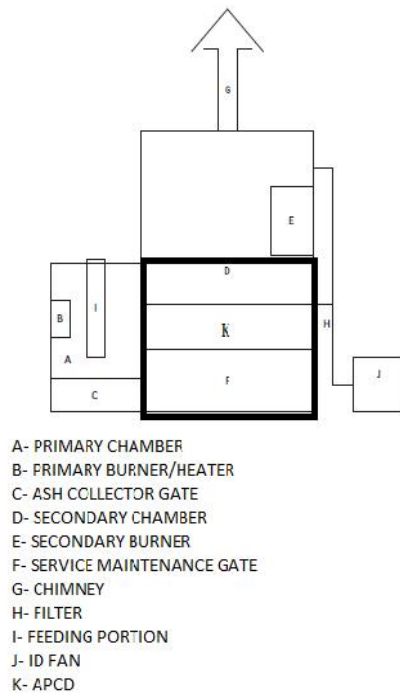
-) Pre-fabricated 5 and 8mm robust mild steel casing, seam welded & suitably stiffened/braced where necessary.
-) Paint finishing - The Mild steel structures are completely painted using a two pack high grade paint system that is baked into the steel structure at 70° C for 10 hrs.
-) The layers of refractory lining in the primary and secondary chambers totaling of 230 mm. rated at 1450° C, provide increased fuel efficiency.
-) Counter weight resilient refractory fiber insulation lid, Gives excellent thermal efficiency.
-) Removable roof and back plate for ease of maintenance.
-) All combustion fuel pipe work and electrical systems are weather proof and in accordance.
-) Excess air and rapid cooling systems fitted as standard, aiding cleaner burns and faster cool down times.

CHARACTERISTICS

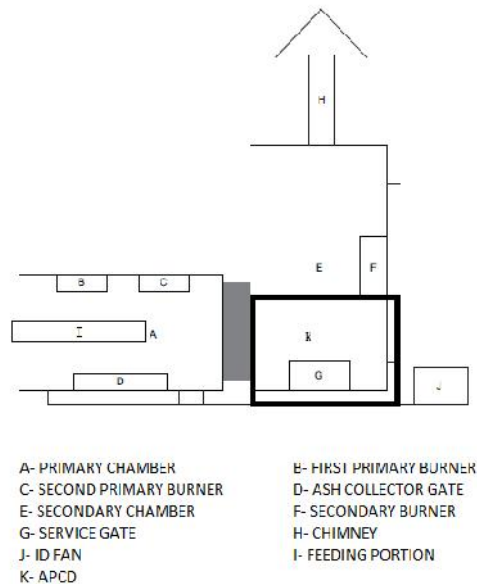
- Machine Type: Floor-standing.
- Capacity: 50/100/250/500 Kg/h.
- Temperature range: Min. 850 °C - Max. 1450 °C
- Power Requirement: LPG, Diesel, Electrical
- Temperature monitoring : Digital Display
- Average ash residue (%): 1%
- Design and prepare the dead animal incinerator with chamber (Primary and Secondary chambers) for complete combustion as per Pollution control board norms.
- Filtration of smoke before releasing it in atmosphere.

GENERAL DESCRIPTION

- Use For
 - Mode of Heating
 - Mode of Feeding
 - Door
 - Ash Removal
 - Equipment
 - Electrical Supply
 - Burner
 - Material of construction
 - Ignition
 - Control panel
 - Inside
- Dead Animals
Diesel/Electrical/LPG
Manual Sliding Bed/Automatic Sliding Bed
Automatic/Mechanical Rope
Manual
Static
240V, 1 phase
440V, 3 phase
Automatic
M.S. 5MM – 8MM
Automatic.
Digital.
High alumina refractory brick IS-8-1994 line
with insulation brick IS 2042-2006



Small Animal Incinerator



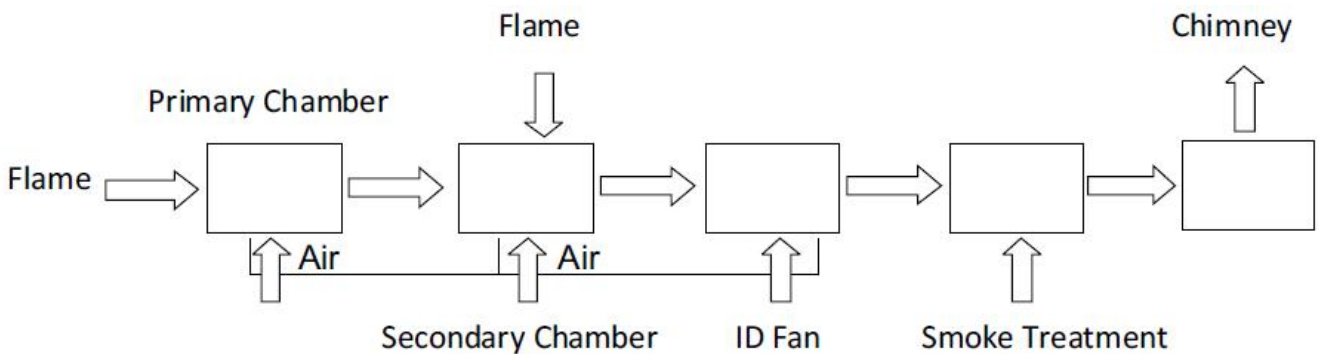
Large Animal Incinerator

OPERATION PRINCIPAL

The disposal of waste is based on the principal of incineration of the waste so as to destroy any degradable and infectious material and reduce its volume and mass without producing any type of pollution.

The design is based on the guidelines set by Central Pollution Control Board (CPCB), Delhi and normally adopted by military installations all over the country and world. The efficient power is supplied by electricity as well as oil burners for larger installations.

FLOW DIAGRAM



FACILITIES INCLUDES

- ❖ Primary Chamber.
- ❖ Secondary Chamber.
- ❖ Combustion Requirements.
- ❖ Anticipated Air Emission Levels.
- ❖ Noise Control.
- ❖ Combustion Control.
- ❖ Air pollution Control Devices.
- ❖ Digital Control Panel.

AIR POLLUTION CONTROL DEVICE

- The flue gases from the secondary chamber are usually vented to the atmosphere through a refractory-lined flue. They are at a very high temperature, and interest in recovering this thermal energy e.g. for space heating of the funeral chapel, or other facilities or for distribution into local district heating networks has arisen in recent years. Such heat recovery efforts have been viewed in both a positive and negative light by the public.
- In addition, filtration systems (bag houses) are being applied to crematories in many countries. Activated carbon adsorption is being considered for mercury abatement (as a result of dental amalgam). Much of this technology is borrowed from the waste incineration industry on a scaled-down basis. With the rise in the use of cremation in Western nations where amalgam has been used liberally in dental restorations, mercury has been a growing concern.

VENTURI SCRUBBER

- A venturi scrubber is designed to effectively use the energy from the inlet gas stream to atomize the liquid being used to scrub the gas stream. This type of technology is a part of the group of air pollution controls collectively referred to as wet scrubbers.

CONTROL PANEL

- A control panel is a flat, often vertical, area where control or monitoring instruments are displayed or it is an enclosed unit that is the part of a system that users can access, such as the control panel of a security system.

I. D. FAN

- **Induced draft fans** or **ID fans** are used in systems such as steam boilers and thermal oil heaters to draw out and remove flue gases from combustion chambers, by creating a vacuum of negative air pressure.

CHIMNEY

- A structure, usually vertical, containing a passage or flue by which the smoke, gases, etc., of a fire or furnace are carried off and by means of which a draft is created. the part of such a structure that rises above a roof.



Pictures of Small & Large Animal Incinerator



Regd Office: 2759, Teknik House, Timber Market, Ambala Cantt - 133001, India

Factory : 1, Teknik Tower, Main Road, Vikaspuri, Industrial Area, Ambala Cantt-133006.

Factory : 73, Teknik Estate, Main Road, Vikaspuri, Industrial Area, Ambala Cantt-133006.

Ph: +91-0171 2698855, 0171-2975855 +91-89303-44845

E-Mail: info@microteknik.com, incinerator@microteknik.net

Web: www.microteknik.com, www.microteknik.net, www.incineratorindia.com