

Mc Clelland

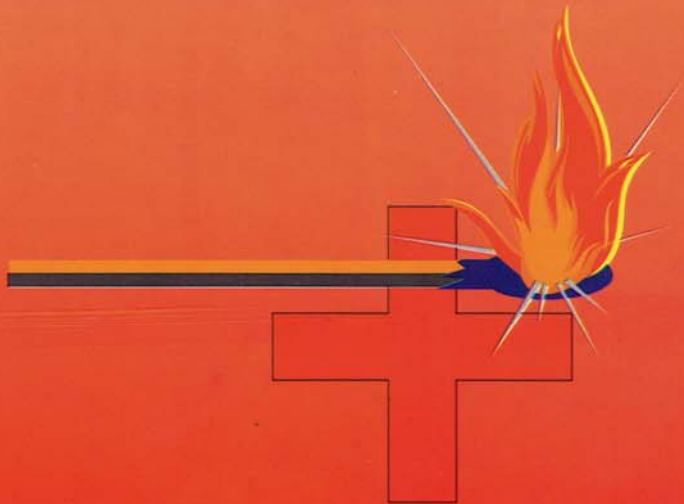


Incineration

Technologies

Mc-Incini

Hospital Waste Disposal System



Enhancing Global Environment

Mc-Incini Hospital Incinerators

The Proven Waste Disposal System

What is Incineration

Incineration is an engineered process with waste reduction being the ultimate goal. The basic objective of the process is to efficiently combust the material to ash that is acceptable for land disposal while assuring that the exhaust gas products can be likewise dispersed without causing harm to the environment.

Easy to Use

Mc-Incini range of incinerators are easy to use and require minimum supervision and attendance.

Safe Operation

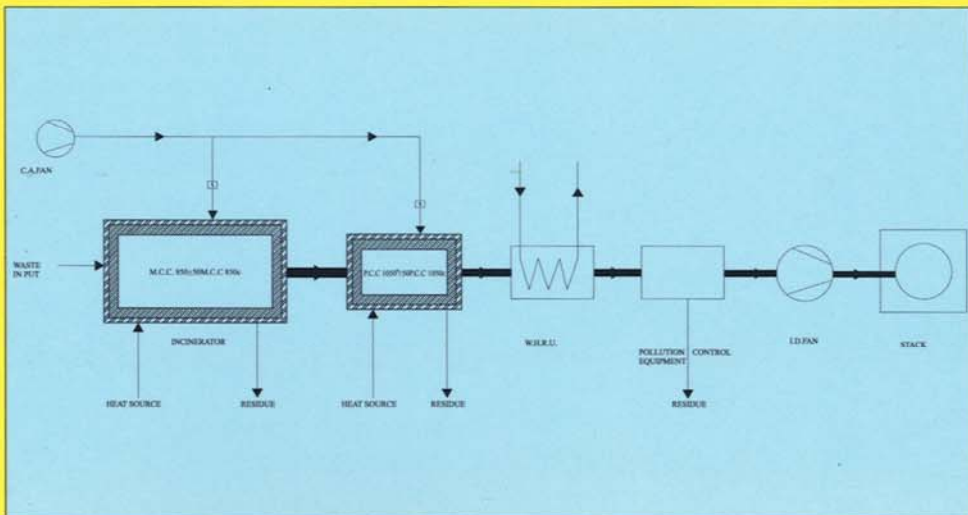
Incinerators designed and made by Mc Clelland have been certified safe and conforms to statutory requirements.

Minimum Maintenance

Mc-Incini range of incinerators have been designed to be problem free and require minimal recurring maintenance.

Non-Polluting

Mc-Incini incinerators do not contribute towards environmental add-on pollution, a feature of superior design and technology.



Scheme For Incineration System



The Mc-Incini technology

The Mc-Incini Incinerators are a direct result of in-house R&D efforts by Mc Clelland, indigenising available technology from the West. These incinerators are classified as controlled air-incinerators where heat and air for combustion is regulated.

Heat generated as a result of incineration is trapped by the waste recovery unit and recovered in the form of hot water/steam/hot air/hot fluid.

The expendable flue gas is treated by various pollution control equipments like Cyclone, Bag filter, HEPA filter, scrubber, etc, thus rendering it harmless.

The Incineration System is totally process controlled ensuring safe operation.

Modular Design

- 1 **Main Comb. Chamber**
Refractory Lined Furnace
Temperature - 800+/-50°C
Pyrolytic conditions
Sterile ash as residue
- 2 **Post Comb. Chamber**
Refractory Lined
Temperature - 1050+/-50°C
Excess Air conditions
- 3 **Waste Heat Recovery Unit**
Tube & Shell Type
Efficient & Compact
- 4 **Pollution Control Eqp.**
Cyclone
Bag Filter/HEPA Filter
Scrubber
- 5 **I.D. Fan**
Maintains desired draft
- 6 **Stack**
30 m. high
With sampling points
& Ladder platform

The Mc-Incini Range

Model#	Capacity-kg/hr	Model#	Capacity-kg/hr
MCF-20	Upto 20	MCF-125	125
MCF-25	25	MCF-150	150
MCF-50	50	MCF-175	175
MCF-75	75	MCF-200	200
MCF-100	100	MCF-225	225

Mc-Incini Incinerators are also available for higher and intermediate capacities.

Waste classification as per IIA standards

- TYPE "0" & "I" : 4700 & 3600 kcal/Hr
Highly combustible waste like paper, cardboard, wooden boxes, rags, etc.
Maximum Moisture Content 25%
- TYPE "II" & "III" : 2350 & 1400 kcal/hr
Refuse & garbage from residential, hospitals, etc.
Maximum Moisture Content 70%
- TYPE "IV" : 550- kcal/hr
Pathological waste
Maximum Moisture Content 85%

All incinerators manufactured by **McClelland** conforms to domestic & International statutory requirements & regulation of pollution control authorities.

Mc Clelland

Mc Clelland Engineers Pvt. Ltd.

7th Floor, Vindhya Commercial Complex,
Sector XI, C.B.D., Belapur,
Navi Mumbai - 400 614. INDIA
Tel. : (+91 22) 2757 6661, 2757 6662, 2757 2405
Fax : (+91 22) 2757 6663
E-mail : mcepl@vsnl.com
www.mcclellandincinerators.com

New Delhi Chennai Kolkata Hyderabad Bangalore Bhopal Jaipur Goa Ahmedabad

In keeping with our continual efforts to improve, Mc Clelland reserves the right to alter or change specifications without prior notice.