

## MEDINC 30

The Medinc30 is one of the smaller medical waste incinerators in our range. This small size offers a great balance – Its small size belies high efficiency and impressive burn rates.

### Rigid & Long-Lasting Construction

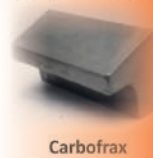
All our incinerators are constructed from German-made high quality & heat-resistant steel. The steel is 4-6 mm thick and it is fully welded for maximum strength by our time-served coded welders, ensuring years of trouble free operation.



Steel

### Highly Efficient Insulation

Carbofrax® insulation is a specially formulated material which ensures that almost all of the heat generated within our incinerators stays inside them – taking performance and efficiency to another level.



Carbofrax

### Fully Compliant Machine

All our incinerators are tested to exacting standards which ensures that they meet all the required guidelines. They are CE declared to BS EN 746-2:1997. This machine can reach more than 1600 °C in the secondary chamber.



### Unique Selling Points:



### Plug and Play Control Panel

- User Friendly
- Mobile Phone App Control
- Robust Components
- Separate Primary and Secondary Control

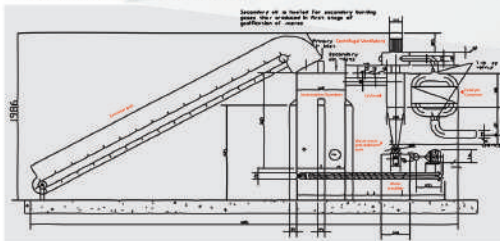


### Applications:

Our versatile range of medical incinerators is designed for a wide range of waste types. This particular model benefits from a very simple operation process and low daily operational cost. ZBB MEDINC30 caters to ALL WASTE TYPES including:

- Infected Needles
- Human Excreta
- Soiled Linen
- Blood
- Body Fluids
- Pathological Specimens
- Body Organs

### Key Parts of our Incinerator



### How Incineration Works



### Technical Specifications

No	Name	Capacity 30 kg/h
1	Installation Area, m <sup>2</sup>	12/20
2	Height of Incinerator reactor, m	3,0-3,5
3	Recirculation water Reservoir, m <sup>3</sup>	1-2
4	Total weight of Equipment, t	3,00
5	Specific Medical waste consumption, kg/h	<30
6	Acceptable moisture content of Medical waste, %	<40
7	Incinerator Efficiency, %	>85
8	Own consumption of electricity, kW	5
9	Incinerator Size mm	∅ 450x3250
10	System for ash removal	400

**Average Emissions/ EU Standards\***  
(On basic incinerators with secondary chamber)

DAILY AVERAGE				
Parameter	Unit	Value	Limit Values	Explanation
CO	Mg / Nm <sup>3</sup>	22.63	50	Carbon Monoxide
NOx	Mg / Nm <sup>3</sup>	147.18	400	Nitrogen Oxides
SO <sub>2</sub>	mg / Nm <sup>3</sup>	5.02	50	Sulfur Dioxide
TOC	Mg C / Nm <sup>3</sup>	0.61	10	Total Organic Carbon
HF	Mg / Nm <sup>3</sup>	0.00	1	Hydrogen Fluoride
HCl	Mg / Nm <sup>3</sup>	10 0.53		hydrogen Chloride
Dust	Mg / m <sup>3</sup>	0.63	10	Powder
O <sub>2</sub>	% Vol	10.46	No Limit	Oxygen

\*The above figures are guidelines ONLY.

Actual emissions will depend on a number of factors including moisture content, volume of waste, waste type, fuel used and local environmental conditions.

The chambers of our incinerators are lined with high grade heat resistant carbofrax. Our secondary chamber technology prevents dioxins from cracking into smaller but more reactive molecules, this is known as novo formation.

The method can be explained as follows: system design forces the micro particles to pass through a flame curtain, this burns harmful emissions, gas remnants are then retained in the secondary chamber, through thermal decomposition and complex, controlled air distribution to ensure a clean odourless emission.

**CE Declaration**

**CONFORMS TO ALL SAFETY NORMS WHEN USED ACCORDINGLY**

ZBB GmbH, Zielstr. 6, 68169 Mannheim / Germany

Has declared that the machinery described: INCINERATOR MEDINC30 – MEDINC50 – MEDINC80 – MEDINC120 – MEDINC200.

1. BS EN 746-2:1997 (industrial thermo-processing equipment – part 2. Safety requirements for combustion and handling systems)
2. Low Voltage Directive 73/23/EEC  
Directive Basse Tension  
Directive Baja Tension  
Direttiva Sulla Bassa Tensione  
Niedrige Sapnung – Richtlinie Direktivas

3. EMC Compatibility Regulation 89/336/EEC  
Directive CEM  
Directiva CEM  
Direttiva Compatibilita Elettromagnetica  
Elektromagnetische Vereinbarkeit – Richtlinie Directive EMC

4. Machinery Directive 2006/42/EC (including amendment)  
Directive Securite Machines  
Directiva Seguridad Maquinas  
Direttiva Macchine  
Maschinen – Richtlinie Directiva De Maquinario

5. (EC) No 1005/2009 on substances that deplete the ozone layer

**ZBB GmbH**

ZBB GmbH is one of the leading manufacturer of incinerators in Europe. We manufacture the products in Bulgaria and ship them through our dedicated sales teams and agents around the globe.

An experienced team of designers, researchers and engineers have enabled ZBB to become an innovator in the waste sector. Our hand-engineered machines provide the best solution to waste problems around the world.

**Additional Services**

- ✓ After Sales Service
- ✓ Training of staff for daily operations
- ✓ Spare parts management

**Our Sole Agent in Pakistan - ZBB Products Private Limited**

Contact: 03454581155  
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**ZBB MEDICAL INCINERATOR**

ZBB GmbH

