MEDICAL WASTE INCINERATION PYROLYSIS FURNACE

HCV-HIE & HIG SERIES • 1200°C

HIGH QUALITY 24/7 CONTINUOUS MUFFLE FURNACES • BRICK INSULATION (23/26)
Combustion Chamber + Afterburner + Ash Collection Complete Solution

Medical, industrial and urban waste management and infectious outbreak solution suitable for hospitals, dentists, laboratories, clinics and other business generating hazardous waste.

STANDARD FEATURES

• CE manufactured
• **Combustion chamber up to 1200°C** with a two tier system: mixed solid waste and char is incinerated in the superior tier
• Grate to lower tier ash collection drawer compartment for easy cleaning
• **Afterburner chamber**: gases, fumes and smoke exhaust are processed and eliminated by high-temperature burn-out
• Front-loading through side pantograph or hinged door
• Configuration: Floor stand (caster wheels option)
• Affordable, easy to operate and maintain
• 3 heating zones with KANTHAL AF (Electric mode)
• Low thermal mass insulation
• Built with low density ceramic bricks and ceramic fiber
• Double insulation includes air chamber
• Outer case in painted metal sheet (inox optional)
• Ceramic tray included
• Thermocouple type K
• Spare parts easily replaceable by end user

FURNACE CONTROLS

• Lower front / side control panel
• Solid state relay
• General safety switch
• General safety contactor
• **PAD Digital control**
  • PID parameters
  • Non-volatile memory
  • Microprocessor-based temperature controls
  • Alarm

CONTROL OPTIONS

• Programmers up to 64 segments
• Data logger and programmer communication by Ethernet/ RS232

SAFETY SHUT-OFF

• Thermocouple break shut-off
• Turns off upon door opening

ACCESSORIES

• Interchangeable temperature-uniform trays with rim
• Incoloy stainless steel tray
• Safety alarm Class II. Over-temperature protection
• and more, ask for our full assortment
APPLICATION SCOPE

- Incineration at high temperatures provides complete destruction and neutralization of hazardous and infectious waste.
- With experience since 1946, health and environmental risks are appropriately managed and destroyed with HOBERSAL Incinerating furnaces HCV-HIE (electric) and HIG (gas).
- HOBERSAL Pyrolysis Furnaces for waste incineration are designed according to CE regulation, suitable for the incineration of clinical waste in facilities such as healthcare. Clean and hassle-free disposal and safe destruction of:
  - “Specific hospital waste” and “other hospital waste
  - Medical, Clinical, Pathological, Healthcare Waste
  - Biomedical Refuse (Red Bag) Waste
  - Biological and Biohazard Waste
  - Needle and Sharps Disposal
  - Food Waste
  - Industrial Solid and Liquid Waste
  - Urban Waste

CHARACTERISTICS

- Reinforced construction, metal case with chrome-phosphatizing base protection and external finish with heat-resistant metal paint.
- Refractory parts engineered to resist extreme temperature shocks, and specific ceramic paste types applied according to temperature and work fatigue of each component.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.

SPECIFICATIONS

- Fully customized solutions by request
- We reserve the right to change technical specifications

| HOBERSAL MEDICAL WASTE INCINERATION PYROLYSIS FURNACE HCV-HIE SERIES - ELECTRIC |
|-------------------------------|-------------------|-------------------|--------------|-------------------|-------------------|-------------------|--------------|--------------|
| Reference | Internal dimensions (mm) | External dimensions (mm) | Volume (L) | Maximum temperature (°C) | Maximum temperature resistance (°C) | Maximum temperature continuous work (°C) | Heating zones | Power (kW) | Voltage (V) |
| HCV-25 HIE | 200 | 300 | 400 | 1500 | 700 | 750 | 25 | 1200 | 1100 | 10.00 | 3 | 5 | 3 | 220 III | 380 III |
| HCV-50 HIE | 300 | 350 | 500 | 1500 | 700 | 900 | 50 | 1200 | 1100 | 10.00 | 3 | 6 | 3 | 220 III | 380 III |
| HCV-60 HIE | 250 | 420 | 580 | 2000 | 800 | 1000 | 60 | 1200 | 1100 | 10.00 | 3 | 9 | 3 | 220 III | 380 III |
| HCV-120 HIE | 450 | 450 | 600 | 2100 | 1000 | 1100 | 120 | 1200 | 1100 | 10.00 | 3 | 9 | 3 | 220 III | 380 III |
| HCV-200 HIE | 500 | 500 | 800 | 2200 | 1100 | 1400 | 200 | 1200 | 1100 | 10.00 | 3 | 10 | 3 | 380 III |

| HOBERSAL MEDICAL WASTE INCINERATION PYROLYSIS FURNACE HCV-HIG SERIES - GAS |
|-------------------------------|-------------------|-------------------|--------------|-------------------|-------------------|--------------|
| Reference | Internal dimensions (mm) | External dimensions (mm) | Power (kcal/h) | Combustion chamber | Afterburner | Volume (L) | Heating zones |
| HCV-25 HIG | 200 | 300 | 400 | 1900 | 700 | 750 | 10.000 | 10.000 | 25 | 1-2 |
| HCV-75 HIG | 335 | 450 | 500 | 1900 | 700 | 900 | 25.000 | 25.000 | 75 | 1-2 |
| HCV-200 HIG | 400 | 500 | 500 | 2000 | 800 | 1000 | 35.000 | 25.000 | 100 | 1-2 |
| HCV-200 HIG | 500 | 500 | 800 | 2100 | 1000 | 1100 | 65.000 | 25.000 | 200 | 1-2 |
| HCV-300 HIG | 500 | 1000 | 1000 | 2200 | 1100 | 1400 | 150.000 | 50.000 | 500 | 1-2 |