

## MEDICAL WASTE INCINERATION PYROLYSIS FURNACE

### HCV-HIE & HIG SERIES • 1200°C

HIGH QUALITY 24/7 CONTINUOUS-T° 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 (castor 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



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### 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.
- Pantograph side door allows for complete clear opening, protecting workers from ceramic block heat radiation. Pressure-adjusted door system enables full sealing. Half-opened door mode for quick smoke evacuation. Electrically and thermally isolated door handle.

### SPECIFICATIONS

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

HOBERSAL MEDICAL WASTE INCINERATION PYROLYSIS FURNACES · HCV-HIE SERIES · ELECTRIC

Reference	Internal dimensions (mm)			External dimensions (mm)			Volume (L)	Maximum Temperature (°C)	Maximum temperature intermittent work (°C)	Maximum temperature continuous work (°C)	Heating zones	Power (Kw)	Voltage (V)	Type
	Height	Width	Depth	Height	Width	Depth								
HCV-10 HIE	210	250	330	550+400	550	600	17	1200	1100	1000	3	3,5+3	220 II	Benchtop furnace
HCV-20 HIE	210	250	400	550+400	550	700	21	1200	1100	1000	3	5,5+3	220 II	Benchtop furnace
HCV-30 HIE	250	400	400	650+400	700	700	40	1200	1100	1000	3	7+3	220 II	Benchtop furnace
HCV-50 HIE	300	350	500	1900	700	900	50	1200	1100	1000	3	6+3	220 III 380 III	Mobile support foot
HCV-60 HIE	250	420	580	2000	800	1000	60	1200	1100	1000	3	9+3	220 III 380 III	Mobile support foot
HCV-120 HIE	450	450	600	2100	1000	1100	120	1200	1100	1000	3	9+3	220 III 380 III	Mobile support foot
HCV-200 HIE	500	500	800	2200	1100	1400	200	1200	1100	1000	3	18+5	220 III 380 III	Mobile support foot
HCV-360 HIE	600	600	1000	2300	1200	1600	360	1200	1100	1000	3	20+6	220 III 380 III	Mobile support foot
HCV-480 HIE	600	800	1000	2300	1500	1600	480	1200	1100	1000	3	25+6	220 III 380 III	Mobile support foot

HOBERSAL MEDICAL WASTE INCINERATION PYROLYSIS FURNACES · HCV-HIG SERIES · GAS

Reference	Internal dimensions (mm)			External dimensions (mm)			Power (Kcal/h)		Volume (L)	Heating zones
	Height	Width	Depth	Height	Width	Depth	Combustion chamber	Afterburner		
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-100 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-500 HIG	500	1000	1000	2200	1100	1400	150.000	50.000	500	1-2

