

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

