

HCV SERIES

VERTICAL DOOR / PANTOGRAPH SIDE DOOR / SIDE DOOR · STURDY DESIGN · BRICK INSULATION (23/26)

**High Quality 24/7 Continuous-T° Muffle Furnaces · From 1000°C to 1300°C
BIG SIZES from 56L to 2000L (Custom designs available)**

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:
From 1000°C to 1300°C
- Compact and lightweight
- 24/7 continuous work capability
- 3, 4 and 5 heating zones with KANTHAL AF
- 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)
- Rear ventilation via ceramic chimney
- Ceramic tray included
- Thermocouple type K or S
- 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

- 1 program / 8 segments programmer
- 4 program / 15 segments programmer
- 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
- Refractory ceramic tray
- Incoloy stainless steel tray
- Smoke chimney
- Forced smoke chimney
- Safety alarm Class II. Over-temperature protection
- Inlet gas entry
- Flow meter box
- Silicon Carbide chamber
- and more, ask for our full assortment



HCV Pneumatic and vertical lift door



HCV64 and 125



HCV customized



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VERTICAL DOOR / PANTOGRAPH SIDE DOOR / SIDE DOOR · STURDY DESIGN · BRICK INSULATION (23/26)

**High Quality 24/7 Continuous-T° Muffle Furnaces · 1000°C - 1200°C - 1300°C
BIG SIZES from 56L to 2000L (Custom designs available)**

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 changes, and specific ceramic paste types applied according to temperature and work fatigue of each part.
- Heat resistance in refractory insulation of very low thermal conductivity coefficient.
- Pantograph side door allows for a complete clear opening, protecting workers from ceramic block heat radiation. Pressure-adjusted door system, allowing for complete sealing. Half-opened door mode for a quick smoke evacuation. Electrically and thermally isolated door handle.

BASIC ACCESSORIES

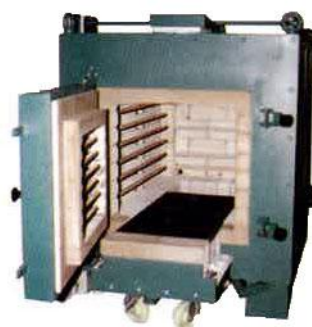
- Extraction Chimney: Self-extraction design to eliminate smoke in processes that produce smoke in a considerable amount or when smoke extraction is advisable due to the nature of the process. Chimney outlet connection to a smoke bell or to the exterior by end user.
- Forced air extraction chimney: Specially designed for a forced self-extraction to evacuate smoke fast at resistance in refractory insulation of very low thermal conductivity coefficient.
- Bottom trays: Interchangeable, temperature uniform, with rim to protect against spilling, fusion or adherence of materials.

SPECIFICATIONS

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

Code	Reference	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature ° C	Maximum Temperature ° C on work limited	Maximum Temperature Continuous	Net Weight Kgr	Termo- couple	Control Type	Heating Elements	Heating Zone
		H	W	D	H	W	D											
820005612	HCV56/12	350	400	400	830	780	760	56	12	220 III 380 III	1200	1150	1100	150	K	P0104 Digital	Wire Khantal	3
820007012	HCV70/12	350	400	500	830	770	860	70	12	220 III 380 III	1200	1150	1100	180	K	P0104 Digital	Wire Khantal	3
820010012	HCV100/12	350	400	700	830	770	1100	100	15	220 III 380 III	1200	1150	1100	220	K	P0104 Digital	Wire Khantal	3
820006412	HCV64/12	400	400	400	2100	850	1000	64	15	220 III 380 III	1200	1150	1100	280	K	P0104 Digital	Wire Khantal	5
820012512	HCV125/12	500	500	500	2150	1000	1200	125	18	220 III 380 III	1200	1150	1100	400	K	P0104 Digital	Wire Khantal	5
820016012	HCV160/12	400	400	1000	2100	900	1600	160	18	380 III	1200	1150	1100	500	K	P0104 Digital	Wire Khantal	5
820021612	HCV216/12	600	600	600	2100	900	1300	216	18	380 III	1200	1150	1100	600	K	P0104 Digital	Wire Khantal	5
820025012	HCV250/12	500	500	1000	2150	1100	1600	250	20	380 III	1200	1150	1100	650	K	P0104 Digital	Wire Khantal	5
820029012	HCV290/12	600	600	800	2100	1150	1500	290	20	380 III	1200	1150	1100	700	K	P0104 Digital	Wire Khantal	5
820030012	HCV300/12	800	600	700	2100	1200	1400	300	20	380 III	1200	1150	1100	790	K	P0104 Digital	Wire Khantal	5
820036012	HCV360/12	600	600	1000	2100	1100	1700	360	20	380 III	1200	1150	1100	800	K	P0104 Digital	Wire Khantal	5
820040012	HCV400/12	800	700	700	2100	1250	1400	400	20	380 III	1200	1150	1100	850	K	P0104 Digital	Wire Khantal	5
820050012	HCV500/12	600	700	1200	2100	1400	1800	500	40	380 III	1200	1150	1100	900	K	P0104 Digital	Wire Khantal	5
820064012	HCV640/12	1000	800	800	2100	1350	1500	640	50	380 III	1200	1150	1100	990	K	P0104 Digital	Wire Khantal	5
820099912	HCV1000/12	1000	1000	1000	1600	1370	1700	1000	50	380 III	1200	1150	1100	1050	K	P0104 Digital	Wire Khantal	5

Bogie Hearth Furnace



HCV 56

