



**HC3-C**

## **MUFFLE CHAMBER FURNACES HARMFUL PROCESS GASES AND VAPOURS CUPELLATION FURNACES**

**MAXIMUM TEMPERATURE  
1000°C - 1200°C - 1300°C - 1500°C**

**SINCE 1946**



## GENERAL CHARACTERISTICS (COMMON)

Metallic box with chrome-phosphatizing base and exterior finish with heat-resistant metallic paint.

Reinforced construction, modern lines and perfect finish.

Electrically and thermally isolated door handle.

Three or four heating zones with Kanthal-wire heating resistance or silicon carbide heating elements.

Studied refractory part breakdown to resist as much as possible temperature changes and the use of different qualities of ceramic pastes in the different parts depending on their temperature and work fatigue.

Heat resistance based on refractory isolation, of very low thermal conductivity coefficient, easy and quick exchange of heating resistances and supporting plates by the user himself without needing tools or specialized personnel.

Silicon carbide chamber is situated inside the furnaces.

Door system permanently adjusted with a slight pressure on the furnace frame, the door never staying badly close and allowing for a quick evacuation of smokes if half-open. The complete door movement toward one side prevents the ceramic block from radiating heat on the worker when introducing or withdrawing the muffle load.

Forced smoke extraction chimney CH in the rear part. Air inlet in the door.

Economic furnaces HD-150C and HD-230C have 2 smokes evacuation holes and the heating elements are covered.

## SAVE DEVICE

Furnace disconnection by thermocouple break

Furnace disconnection when opening the door.

## FURNACE CONTROL

Automatic digital pyrometer. "PID" Parameters. Non-volatile memory. Microprocessor.

General safety switch.

General safety contactor.

Exterior isolation: double chamber with air circulation

Reference	Internal dimensions mm			External dimensions mm			Volume Liters	Power Kw	Voltage V	Maximum Temperature ° C	Maximum Temperature ° C on work limited	Maximum Temperature Continuous	Net Weig Kgr	Termo- couple	Control Type	Protection	Heating Elements	Heating Zones
	High	Wide	Deep	High	Wide	Deep												
HD-150C	80	130	150	430	300	330	1,6	1,7	220	1200	1100	-----	30	K	Digital	Protection Plates	Wire Kanthal	3
HD-230C	160	200	240	490	430	450	7,6	3,8	220	1200	1100	-----	45	K	Digital	Protection Plates	Wire Kanthal	3
HC-2C	75	150	200	650	950	700	2,3	6	220	1500	1450	1400	130	S	Digital	Silicon carbide	Silicon carbide	3
HC-3C	200	260	450	700	700	1000	18	12	220 III 380 III	1200	1150	1100	150	K	Digital	Silicon carbide	Wire Kanthal	3
12PR-300C	100	150	250	700	500	750	3,7	5,5	220 III 380 III	1200	1150	1100	120	K	Digital	Silicon carbide	Wire Kanthal	4
12PR-400C	150	200	300	700	700	800	9	8,8	220 III 380 III	1200	1150	1100	150	K	Digital	Silicon carbide	Wire Kanthal	4
HCV-125C	400	400	400	2100	1000	1200	64	18	220 III 380 III	1200	1150	1100	600	K	Digital	Silicon carbide	Wire Kanthal	3
HCV-216C	500	500	500	2100	1000	1300	125	18	220 III 380 III	1200	1150	1100	650	K	Digital	Silicon carbide	Wire Kanthal	3
HC-4C	300	350	450	900	950	900	47	12	220 III 380 III	1200	1150	1100	180	K	Digital	Silicon carbide	Wire Kanthal	3

- Customised furnaces

- Reserved the right to change technical specifications