

**12 PR 400 CCH**



**Flow meter box**

## Heat treatment furnaces Controlled atmosphere

- \_Hermetic seal CCH Series
- \_Non hermetic seal SCH Series

Max. temperature: 1200°C

**SINCE 1946**

## COMMON CHARACTERISTICS

Robust construction furnace with material of the highest quality, in the metallic as well as the interior isolation to avoid heat losses and to achieve the most homogeneous temperature inside the chamber.

Furnace specially designed to work in white or sterile rooms, without producing any contamination in the room or on the product to be treated.

The chamber is built of INCOLOY type refractory materials to withstand high temperatures with waving system, thus avoiding deformation.

a) HERMETIC SEAL: The closing system is completely hermetic, with silicone joint as it is protected by a little water circulation around the door, thus avoiding the silicone reheating and giving it a long life.

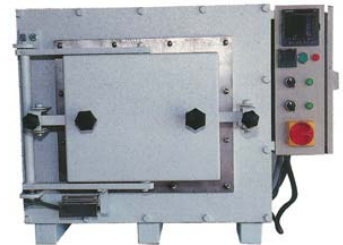
b) WITHOUT HERMETIC SEALS: The closing system is composed by a ceramic fiber joint placed on the door making a slight pressure on the furnace frame.

As for the atmosphere system, we should inform that the furnace is prepared to admit Nitrogen, Argon, Nitrogen mix, Hydrogen and mixes of Hydrocarbons at low pressure.

The consumption or flow of the gases to be introduced into the furnace will be that to move the air inside and avoid new entries. However, it should be pointed out the need, if possible, of marking a previous purge with inert gas, for example Nitrogen, before introducing any combustible gas as well before the opening of the door to avoid deflagrations.

## CONTROL EQUIPMENT

- Mounted in independent box with lower part according to model.
- Ramp programmer. 4 programs of 15 segments. PID parameters. Alarm. Microprocessor. Non-volatile memory.
- General safety switch.
- General safety contactor.
- Safety alarm on temperature.
- Stability:  $\pm 2^{\circ}\text{C}$
- Homogeneity  $\pm 5\%$



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
	H	W	D	H	W	D										
12PR300	100	150	250	650	480	650	4	5,5	220 III 380 III	1200	1150	1100	150	K	P0104 Digital	Wire Khantal
12PR400	150	200	350	750	600	900	11	8,8	220 III 380 III	1200	1150	1100	180	K	P0104 Digital	Wire Khantal
12PR450	200	250	400	700	650	850	20	15	220 III 380 III	1200	1150	1100	220	K	P0104 Digital	Wire Khantal
12PR500	250	300	350	750	700	800	27	15	220 III 380 III	1200	1150	1100	280	K	P0104 Digital	Wire Khantal
HCV56	300	350	350	700	750	850	37	12	380 III	1200	1150	1100	400	K	P0104 Digital	Wire Khantal
HCV 64	350	350	350	2100	1100	1000	45	16	380 III	1200	1150	1100	500	K	P0104 Digital	Wire Khantal
HCV 125	450	450	450	2000	1100	1200	91	18	380 III	1200	1150	1100	600	K	P0104 Digital	Wire Khantal
HCV 216	550	550	550	2150	1200	1300	166	30	380 III	1200	1150	1100	650	K	P0104 Digital	Wire Khantal
HCV 290	550	650	650	2100	1300	1450	232	25-30	380 III	1200	1150	1100	700	K	P0104 Digital	Wire Khantal

- Manufacture of special furnaces by request
- Reserved the right to change technical specifications