

12 PR 400 CCH

Accesorio: Caja de caudalímetros

HORNOS DE ATMOSFERA CONTROLADA Y TRATAMIENTOS TÉRMICOS

Con cierre hermético (CCH)

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 CLOSING: 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.

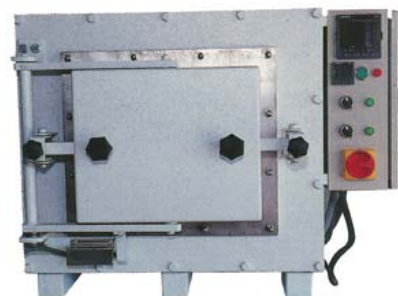
b) WITHOUT HERMETIC CLOSING: The closing system is composed by a ceramic fiber joint placed on the door making a slight pressure on the furnace frame.

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.
- Genral safety contactor.
- Safety alarm on temperature.
- Stability: $\pm 2^{\circ}\text{C}$
- Homogeneity $\pm 5\%$



| Referencia | Medidas Interiores/mm | | | Medidas exteriores/mm | | | Volumen Litros | Potencia Kw | Voltaje V | Temp. Máxima $^{\circ}\text{C}$ Clasificación | Temp. Max. $^{\circ}\text{C}$ | | Tipo Control | Elementos calefactores |
|------------|-----------------------|-------|-------|-----------------------|-------|-------|----------------|-------------|--------------------|-----------------------------------------------|-------------------------------|----------|------------------|------------------------|
| | Alto | Ancho | Fondo | Alto | Ancho | Fondo | | | | | Trabajo Limitada | Termopar | | |
| 12PR300 | 100 | 150 | 250 | 650 | 480 | 650 | 4 | 5,5 | 220 III 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| 12PR400 | 150 | 200 | 350 | 750 | 600 | 900 | 11 | 8,8 | 220 III 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| 12PR450 | 200 | 250 | 400 | 700 | 650 | 850 | 20 | 15 | 220 III 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| 12PR500 | 250 | 300 | 350 | 750 | 700 | 800 | 27 | 15 | 220 III 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| HCV 56 | 300 | 350 | 350 | 700 | 750 | 850 | 37 | 12 | 220 III 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| HCV 64 | 350 | 350 | 350 | 2100 | 1100 | 1000 | 43 | 16 | 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| HCV 125 | 450 | 450 | 450 | 2000 | 1100 | 1200 | 91 | 18 | 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| HCV 216 | 550 | 550 | 550 | 2150 | 1200 | 1300 | 166 | 30 | 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |
| HCV 290 | 550 | 650 | 650 | 2100 | 1300 | 1450 | 232 | 25-30 | 380 III | 1150 | 1000 | K | P0104 Digital | Hilo Khantal |

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

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