CRN SERIES (large sizes)

PANTOGRAPH SIDE DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1900, 300/400)

High Quality 24/7 Continuos-T° Muffle Furnaces · 1600°C – 1800ºC - 1900ºC

STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:
- 1600°C – 1700°C – 1800°C - 1900ºC
- Rapid heating
- Compact and lightweight
- 24/7 continuous work capability
- Heating elements SUPER KANTHAL 1900 and Kanthal SiC
- Low thermal mass insulation
- Built with low density 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 S or B
- Spare parts easily replaceable by end user

FURNACE CONTROLS

- Lower front 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
- and more, ask for our full assortment!

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CHARACTERISTICS

- Modern design 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.
- Door system adjusted on the furnace frame by pressure, allowing for complete sealing. Electrically and thermally insulated door handle.

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 fastat 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

Reference	Inner dimensions			Outer Dimensions			Volume L	Power Kw	Voltage V	Control type	Heating Elements
	H	W	D	H	W	D					
CRN5	350	350	350	1900	1100	800	42	18	380vIII	Ramp P	SiC /MoSi2
CRN5X	400	400	400	2000	1100	800	64	20	380vIII	Ramp P	SiC /MoSi2
CRN6	450	450	450	2000	1100	800	91	20	380vIII	Ramp P	SiC /MoSi2
CRN6X	500	500	500	2100	1200	1300	125	20	380vIII	Ramp P	SiC /MoSi2
CRN6XL	400	400	800	2000	1200	1300	128	25	380vIII	Ramp P	SiC /MoSi2
CRN7	550	550	550	2100	1200	1300	166	20	380vIII	Ramp P	SiC /MoSi2