

## CRN SERIES (large sizes)

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

High Quality 24/7 Continuous-T° Muffle Furnaces · 1600°C - 1700°C - 1800°C - 1900°C

### STANDARD FEATURES

- CE manufactured
- Maximum operating temperature:
  - 1600°C - 1700°C - 1800°C - 1900°C
- 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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High temperature muffle furnace - large sizes



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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