

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
- Turnoff 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!



CRN SERIES (Large sizes)

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

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

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 fast at 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

HIGH TEMPERATURE MUFFLE FURNACES.

MAXIMUM TEMPERATURE 1400° C - 1500° C - 1600° C - 1700° C - 1800° C - 1900° C

(MoSi2 / SiC)

Reference	Inner dimensions mm			Outer dimensions mm			Volume Liters	Power Kw	Voltage V	Net Weight Kgr	Termo- couple	Control Type	Heating Elements
	H	W	D	H	W	D							
CRN 5	350	350	350	1700	750	900	73	20	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 5X	400	400	400	1850	750	1000	42	20	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 6	550	550	550	2200	1200	1250	30	30	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 6A	650	650	650	2200	1300	1350	274	40	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 7X	300	300	300	1200	800	800	27	18	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 8	550	550	1000	2100	1200	1500	300	50	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 9	800	550	1100	2100	1200	1700	490	70	380 III	X	S / B	P0415 Digital	MoSi2/ Sic
CRN 10X	800	800	800	2000	1200	1400	512	60	380 III	X	S / B	P0415 Digital	MoSi2/ Sic



Christmas Tree Lodge,
Trim Road, Athboy,
Co. Meath
C15 N4T1,
Ireland

info@fitzlabs.ie
Tel: +353 (0) 87 343 1487
Tel: +353 (0) 87 738 5011