

# GB - SERIES

SIDE DOOR AND DROP DOWN DOOR · REFINED DESIGN · CERAMIC FIBER INSULATION (1200- 300/400)  
**Economic Chamber Furnaces · Max temperature · 1200°C**

## STANDARD FEATURES

- CE manufactured
- Maximum temperature: 1200°C
- Rapid heating
- Compact and lightweight
- 2 heating plates with KANTHAL AF
- 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 K
- 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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## Economic Chamber Furnaces · Max temperature · 1200°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.

Fully customized solutions by request  
We reserve the right to change technical specifications

## ECONOMIC MUFFLE FURNACE GB7-122 (Side door- Drop down door)

HEATING SPECIFICATIONS			
Maximum temperature	1200 °C	Thermocouple	Type K
Maximum work temperature limited time	1100 °C	Heating zones	2
Continuous work temperature	---- °C	Heating elements type	Kanthal AF
Insulation specifications		Stability	2 +-°C
Low density ceramic bricks and ceramic fiber		Homogeneity	5 +-%
FURNACE INNER DIMENSIONS (mm)		FURNACE OUTER DIMENSIONS (mm)	
	<b>7 liters</b>		<b>28 Kg</b>
Height	150	Height	495
Width	170	Width	420
Depth	240	Depth	480
ELECTRIC SPECIFICATIONS			
Control System	Digital Single Set Point	Power	2,6Kw
		Hertz	50-60 Hz
Power adjustment	SSR	Voltage	220 V II