



# 1200°C & 1300°C Heavy Duty Box Furnaces



GPC 12/36/301

## General Features

- Maximum operating temperatures of 1200°C and 1300°C.
- Two large volume chamber sizes available.
- Rugged construction for heavy-duty heat treating requirements.
- High power free radiating side heating elements provide fast heat-up and enhanced chamber uniformity.
- Vertical lift door design keeps hot door insulation away from operator.
- Low thermal mass insulation improves energy efficiency and fast heat-up rates.
- Hard ceramic hearth provides excellent resistance to wear and spillage.
- Long-life heavy gauge coil heating elements.
- Chamber vent provides for process exhaust.
- Dense refractory around chamber entrance resists abrasion and wear.
- Positive break door safety switch isolates power to the heating elements when door is opened.
- Low outer case temperature provided through double shell construction.
- Small case size conserves bench space.
- Serviceability is aided by the furnace's mechanical and electrical design.
- Choice of Model 301 control or programmers.
- Choice of multiple accessories and options. (See pages 43-46)

## SEVERAL GPC BOX FURNACE OPTIONS

- |                     |                            |
|---------------------|----------------------------|
| • Viewing Port      | • Programmable Controls    |
| • Inert Gas Inlet   | • Digital Communications   |
| • Flowmeters        | • Over-Temperature Control |
| • Gas Tight Retorts | • Gas Safety System        |

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Furnace Model	Max. Temp. (°C)	Internal Chamber Dimensions Inches (mm)			External Dimensions Inches (mm)			TC Type	Max. Power (kW)	Furnace Voltage	Shipping Weight (lb.)
		Height	Width	Depth	Height	Width	Depth				
GPC 12/36	1200	10.00 (250)	12.50 (320)	17.75 (450)	32.00 (810)	27.00 (690)	30.75 (780)	R	9.0	208/240	350
GPC 12/65	1200	11.00 (280)	15.50 (390)	23.50 (595)	34.75 (885)	30.75 (780)	37.00 (945)	R	14.0	208/240*	428
GPC 13/36	1300	10.00 (250)	12.50 (320)	17.75 (450)	32.00 (810)	27.00 (690)	30.75 (780)	R	9.0	208/240	350
GPC 13/65	1300	11.00 (280)	15.50 (390)	23.50 (595)	34.75 (885)	30.75 (780)	37.00 (945)	R	14.0	208/240*	428

Specify voltage at time of order.  
Continuous operating temperature is 100°C below maximum temperature.

\*3 phase electrical design.