



## GENERAL PURPOSE INDUSTRIAL CHAMBER FURNACE - GPC

**The GPC general purpose chamber furnaces are large floor-standing models. Available at 1200 °C and 1300 °C with capacities ranging from 131 to 400 litres.**

## STANDARD FEATURES

- | 1200°C or 1300°C maximum operating temperature
- | 131, 200, 225, 300, 350 or 400 litre chamber volumes
- | Programmable EPC3016P1 controller
- | Over-temperature protection
- | Free radiating coiled wire elements on two sides and roof
- | All models have under hearth heating
- | Low thermal mass insulation for high energy efficiency
- | Vertical lift door keeps heated surface away from the user
- | Hard wearing refractory hearth plate resists damage & supports heavier loads
- | Heating elements are easily serviced
- | Ethernet communications

## OPTIONS (*SPECIFY THESE AT TIME OF ORDER*)

- | A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available - more information about controllers
- | A range of metallic retorts to work with modified atmospheres up to 1100°C
- | Bespoke specifications are available for AMS2750F (Nadcap) compliant applications
- | Various loading and unloading management options can be supplied

## TECHNICAL DETAILS (MODELS)

	<b>GPC 12/131B</b>	<b>GPC 12/200B</b>	<b>GPC 12/225B</b>
<b>Max temp (°C)</b>	1200	1200	1200
<b>Max continuous operating temp (°C)</b>	1100	1100	1100
<b>Heat-up time (mins)</b>	150	--	150
<b>Dimensions:</b>			
<b>Internal H x W x D (mm)</b>	350 x 500 x 750	400 x 600 x 900	600 x 500 x 750
<b>Dimensions: External H x W x D (mm) H (door open)</b>	1860 x 1260 x 1230 (1860)	1930 x 1360 x 1380 (1930)	2130 x 1260 x 1230
<b>Volume (litres)</b>	131	200	225
<b>Max power (W)</b>	24000	30000	33000
<b>Thermocouple type</b>	R	R	R
<b>Weight (kg)</b>	400	518	560

	<b>GPC 12/300B</b>	<b>GPC 12/350B</b>	<b>GPC 12/400B</b>
<b>Max temp (°C)</b>	1200	1200	1200
<b>Max continuous operating temp (°C)</b>	1100	1100	1100
<b>Heat-up time (mins)</b>	--	--	150
<b>Dimensions:</b>			
<b>Internal H x W x D (mm)</b>	550 x 600 x 900	550 x 600 x 1050	675 x 650 x 900
<b>Dimensions: External H x W x D (mm) H (door open)</b>	2080 x 1360 x 1380 (2080)	2080 x 1360 x 1530 (2080)	2200 x 1410 x 1380
<b>Volume (litres)</b>	300	350	400
<b>Max power (W)</b>	36000	39000	39000
<b>Thermocouple type</b>	R	R	R
<b>Weight (kg)</b>	600	650	670

	<b>GPC 13/131B</b>	<b>GPC 13/200B</b>	<b>GPC 13/225B</b>
<b>Max temp (°C)</b>	1300	1300	1300
<b>Max continuous operating temp (°C)</b>	1200	1200	1200
<b>Heat-up time (mins)</b>	--	--	150
<b>Dimensions:</b>			
<b>Internal H x W x D (mm)</b>	350 x 500 x 750	400 x 600 x 900	600 x 500 x 750
<b>Dimensions: External H x W x D (mm) H (door open)</b>	1860 x 1260 x 1280 (1860)	1930 x 1360 x 1380 (1930)	2130 x 1260 x 1230
<b>Volume (litres)</b>	131	200	225
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<b>Weight (kg)</b>	400	518	560

	<b>GPC 13/300B</b>	<b>GPC 13/350B</b>	<b>GPC 13/400B</b>
<b>Max temp (°C)</b>	1300	1300	1300
<b>Max continuous operating temp (°C)</b>	1200	1200	1200
<b>Heat-up time (mins)</b>	--	--	150
<b>Dimensions:</b>			
<b>Internal H x W x D (mm)</b>	550 x 600 x 900	550 x 600 x 1050	675 x 650 x 900
<b>Dimensions: External H x W x D (mm) H (door open)</b>	2080 x 1360 x 1380 (2080)	2080 x 1360 x 1530 (2080)	2200 x 1410 x 1380
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<b>Thermocouple type</b>	R	R	R
<b>Weight (kg)</b>	600	650	670

**Please note**

- Heat up rate is measured to 100°C below maximum, using an empty chamber
- Holding power is measured at continuous operating temperature

[www.carbolite.com/gpc](http://www.carbolite.com/gpc)