

General Purpose Industrial Chamber Furnace - GPC

General Information

The GPC general purpose chamber furnaces are large floor-standing models. Available at 1200 °C and 1300 °C with capacities ranging from 131 to 350 litres.

The following models have been renamed CWF: GPC 12/36, GPC 13/36, GPC 12/65 & GPC 13/65.

Standard features

- 1200 °C or 1300 °C maximum operating temperature
- 131, 200, 300 or 350 litre chamber volumes
- Programmable 3216P1 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
- Parallel action door keeps heated surface away from the user
- Hard wearing refractory hearth plate resists damage & supports heavier loads
- Heating elements are easily serviced



Options (specify these at time of order)

- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications
- A range of metallic retorts to work with modified atmospheres up to 1150 °C
- AMS 2750E Nadcap compatible models are available for aerospace applications
- Various loading and unloading management options can be supplied

Technical Specifications

GPC 12/131B

Max temp (°C)	1200
Volume (litres)	131
Max continuous operating temp (°C)	1100
Heat-up time (mins)	150
Dimensions: Internal H x W x D (mm)	350 x 500 x 750
Dimensions: External H x W x D (mm) H (door open)	1860 x 1260 x 1230 (1860)
Max power (W)	24000
Thermocouple type	R
Weight (kg)	400

General Purpose Industrial Chamber Furnace - GPC

GPC 12/200B

Max temp (°C)	1200
Volume (litres)	200
Max continuous operating temp (°C)	1100
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	400 x 600 x 900
Dimensions: External H x W x D (mm) H (door open)	1930 x 1360 x 1380 (1930)
Max power (W)	30000
Thermocouple type	R
Weight (kg)	518

GPC 12/300B

Max temp (°C)	1200
Volume (litres)	300
Max continuous operating temp (°C)	1100
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	550 x 600 x 900
Dimensions: External H x W x D (mm) H (door open)	2080 x 1360 x 1380 (2080)
Max power (W)	36000
Thermocouple type	R
Weight (kg)	600

GPC 12/350B

Max temp (°C)	1200
Volume (litres)	350
Max continuous operating temp (°C)	1100
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	550 x 600 x 1050
Dimensions: External H x W x D (mm) H (door open)	2080 x 1360 x 1530 (2080)
Max power (W)	39000
Thermocouple type	R
Weight (kg)	650

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GPC 13/131B

Max temp (°C)	1300
Volume (litres)	131
Max continuous operating temp (°C)	1200
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	350 x 500 x 750
Dimensions: External H x W x D (mm) H (door open)	1860 x 1260 x 1280 (1860)
Max power (W)	24000
Thermocouple type	R
Weight (kg)	400

GPC 13/200B

Max temp (°C)	1300
Volume (litres)	200
Max continuous operating temp (°C)	1200
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	400 x 600 x 900
Dimensions: External H x W x D (mm) H (door open)	1930 x 1360 x 1380 (1930)
Max power (W)	30000
Thermocouple type	R
Weight (kg)	518

GPC 13/300B

Max temp (°C)	1300
Volume (litres)	300
Max continuous operating temp (°C)	1200
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	550 x 600 x 900
Dimensions: External H x W x D (mm) H (door open)	2080 x 1360 x 1380 (2080)
Max power (W)	36000
Thermocouple type	R
Weight (kg)	600

General Purpose Industrial Chamber Furnace - GPC

GPC 13/350B

Max temp (°C)	1300
Volume (litres)	350
Max continuous operating temp (°C)	1200
Heat-up time (mins)	--
Dimensions: Internal H x W x D (mm)	550 x 600 x 1050
Dimensions: External H x W x D (mm) H (door open)	2080 x 1360 x 1530 (2080)
Max power (W)	39000
Thermocouple type	R
Weight (kg)	650

Please note:

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



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



UK Office

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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.