

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

General Purpose Industrial Chamber Furnace - GPC

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