CARBOLITE®
a VERDER company



GENERAL PURPOSE INDUSTRIAL OVEN

GP

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GP

GENERAL PURPOSE INDUSTRIAL OVEN

The GP general purpose 300°C industrial ovens are supplied in two sizes and two configurations: vertical (A) and horizontal (B) airflow.

The industrial oven range also provides a foundation upon which a large variety of custom modifications can be added. Typical examples of which are the more sophisticated control systems and data recording that is required for applications such as AMS2750H heat treatment under Nadcap, or modifications to handle heavier loads or assist in loading and unloading the oven, or simply larger chamber sizes than are offered in the standard range.



GP

STANDARD FEATURES

- 300°C maximum operating temperature
- Powerful vertical (A) or horizontal (B) airflow for optimum uniformity
- Long lasting, polished 430 grade ferritic stainless steel internal case
- Mineral insulated metal sheathed heating elements
- Adjustable chamber ventilation
- Carbolite 301 controller, with single ramp to set-point and process timer
- Built to withstand the rigours of a production environment
- Robust external construction from steel section & zinc coated mild steel panels
- Low thermal mass insulation for high energy efficiency

GP

OPTIONS

Specify these at time of order

- A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available
- Access port for independent thermocouple
- Bespoke specifications are available for AMS2750F (Nadcap) compliant applications
- Heavy duty reinforced base and shelves
- Stoving & curing option for extraction of small volumes of volatile solvents
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- Cable entry ports
- Additional shelves
- Optional floor stand

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EXAMPLES



GP220A



GP 330B, 330 litre model with 3508P1 programmer and exhaust fan option



GP 450A with 3216P1 programmer option and overtemperature protection, plus AMS2750H thermocouple connection loops

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TECHNICAL DATA

Specification	GP220A	GP450A	GP450B
Max temp (°C)	300	300	300
Volume (litres)	220	450	450
Doors	Single door	Single door	Double door
Heat-up time (mins)	75	75	75
Recovery time (mins)	24	30	35
Temp stability (°C)	±0.5	±0.5	±0.5
Temp uniformity (°C)	±5.0	±5.0	±5.0
Dimensions: Internal H x W x D (mm)	610 x 610 x 610	1220 x 610 x 610	610 x 1220 x 610
Dimensions: External H x W x D (mm)	1240 x 862 x 850	1850 x 862 x 850	910 x 1800 x 850
Shelves fitted / accepted	3 / 5	5 / 11	3 / 5
Shelf loading each / total (kg)	15 / 45	15 / 75	20 / 60
Optional heavy duty reinforced base max. weight (kg)	150	250	225
Optional heavy duty shelves max. quantity	3	5	3
Optional heavy duty shelves max. weight / shelf (kg)	50	50	75
Configuration	Bench-top	Floor-standing	Bench-top
Air changes / hr (with optional exhaust fan)	107	59	59
Max power (W)	3000	6000	6000

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CONTACT US

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