

# chamber furnaces



RWF 12/5/301

## RWF Furnaces

These furnaces are designed for light to medium duty applications where rapid thermal response is a primary requirement.

Powerful, free radiating coiled wire elements are held firmly in the sides and roof of the chamber, which are constructed from rigidised low thermal mass insulation. A hard, dust-free, ceramic hearth provides a robust base for the furnace charge. This combination of high power and low thermal mass gives a heat up time from ambient to 1100°C in as little as 10 minutes, whilst rapid cooling can be induced by opening the furnace door during cool down. Other performance criteria are not compromised, with temperature uniformity, efficiency and control precision remaining excellent.

Chamber sizes are 5, 13 and 23 litres with maximum temperatures of 1100°C and 1200°C.

Model	RWF 11/5	RWF 11/13	RWF 11/23	RWF 12/5	RWF 12/13	RWF 12/23
Max. Temperature (°C)	1100	1100	1100	1200	1200	1200
Continuous Temperature (°C)	1000	1000	1000	1100	1100	1100
Chamber Dimensions:						
H (mm)	130	195	220	130	195	220
W (mm)	160	210	260	160	210	260
D (mm)	250	325	400	250	325	400
External Dimensions:						
H (mm)	585	655	705	585	655	705
W (mm)	375	435	505	375	435	505
D (mm)	485	610	675	485	610	675
Max. Power (W)	2750	5000	9100	2750	5000	9100
Holding Power (W)	680	1200	1800	820	1450	2100
Heat up times (mins)	10	11	13	12	13	15
Thermocouple type	K	K	K	R	R	R
Weight (kg)	28	45	65	28	45	65



GPC 12/36/3216P1

## GPC Furnaces

These furnaces offer the large capacity and robust construction required for general workshop use, together with the performance capabilities and case style of our smaller laboratory models. Traditional hard wearing refractory materials used for the chamber entrance and hearth plate provide good resistance to accidental damage and a solid support for heavier furnace loads.

Free radiating coiled wire elements supported in open grooves, together with low thermal mass insulation, allowing these furnaces to reach working temperature in approximately 40 minutes, and provide efficient and reliable operation.

Removable instrument and back panels allow good service access to the case interior, whilst heating element coils are easily and quickly replaced through the door opening.

Model	GPC 12/36	GPC 12/65	GPC 12/131	GPC 12/200	GPC 13/36	GPC 13/65	GPC 13/131
Max. Temperature (°C)	1200	1200	1200	1200	1300	1300	1300
Continuous Temperature (°C)	1100	1100	1100	1100	1200	1200	1200
Chamber Dimensions:							
H (mm)	250	278	350	400	250	278	350
W (mm)	320	388	500	600	320	388	500
D (mm)	450	595	750	900	450	595	750
External Dimensions:							
H (mm)	810	885	1652	1702	810	885	1652
W (mm)	690	780	1110	1350	690	780	1110
D (mm)	780	945	1280	1350	780	945	1280
Internal Volume (l)	36	65	131	200	36	65	131
Thermocouples Type	All GPC'S use Type R thermocouples						
Max. Power (W)	9000	14000	18000	24000	9000	14000	18000
Weight (kg)	100	165	400	518	120	165	400

- 1) Holding power is measured at 100°C below max. temperature, based on 240V supply, with an empty chamber.
- 2) Uniformity graphs are available on request, for most models.
- 3) All external dimensions are taken with the door closed and include a chimney.
- 4) Heat up time is measured at 100°C below max. temperature with an empty chamber.



Thank you for reading this data sheet.

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



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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.