

chamber furnaces



Vertical Loading Chamber Furnaces

These furnaces are top loading and particularly suited for applications involving tall crucibles or heavy components.

The coiled resistance wire elements are embedded in robust panels of cast refractory and line the four sides of the chamber ensuring even heat transfer to the load. Elements are not placed in the bottom of the chamber where they may be damaged by spillage. The elements are easily replaced by removal from the top of the furnace.

The door contains a simple vent to help remove fumes from the chamber.

The temperature controller is recessed into the furnace housing - and is inclined upwards ensuring the display is clearly visible. Push button operation allows precise, repeatable setting and the digital display gives a clear indication of both actual furnace temperature and set-point.

The platinum/platinum 13% Rh Type R thermocouple gives a stable output over a long life and is located in a protective ceramic sheath in a corner of the chamber where it is unlikely to be accidentally damaged.

Chamber sizes are 5, 10, 23 and 100 litres, with a maximum temperature of 1200°C



VCF 12/5/3508P10

Model	VCF12/5	VCF12/10	VCF12/23	VCF12/100
Max. Temperature (°C)	1200	1200	1200	1200
Continuous Temperature (°C)	1100	1100	1100	1100
Chamber Dimensions:				
H (mm)	260	365	450	600
W (mm)	155	180	250	410
D (mm)	130	155	200	410
External Dimensions:				
H (mm)	660	765	850	1100
W (mm)	530	555	600	930
D (mm)	405	430	500	950
Max. Power (W)	2500	3000	6000	15000
Holding Power (W)	900	1200	2500	6000
Heat Up Time (mins)	102	138	125	150
Internal Volume (l)	5	10	23	100
Thermocouple Type	R	R	R	R
Weight (kg)	50	60	130	200

- 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.