

CWF Furnaces

These furnaces integrate the best of traditional and modern materials to produce an outstanding combination of performance and reliability.

The unique concept for this furnace is the heating module - with one situated on either side of the chamber. Each heating module consists of a high quality alumina based hard wearing element carrier, housing a free radiating coiled wire element. With the use of graded winding, the elements compensate for heat loss and optimise temperature uniformity within the chamber. The furnaces reach working temperature quickly and efficiently.

Hard wearing refractories around the chamber entrance and in the chamber base provide excellent resistance to everyday wear and tear, whilst secondary low thermal mass insulation ensures maximum thermal efficiency.

Service is aided by the removable instrument panel and easy access to the element modules and thermocouple through the rear of the case.

Chamber sizes are 5, 13 and 23 litres with maximum temperatures of 1100°C, 1200°C and 1300°C.



CWF 12/13/301

Model	CWF 5 litre	CWF 13 litre	CWF 23 litre
Max. Temperature (°C)	1100	1100	1100
	1200	1200	1200
	1300	1300	1300
Continuous Temperature (°C)	1000	1000	1000
	1100	1100	1100
	1200	1200	1200
Chamber Dimensions:			
H (mm)	135	200	235
W (mm)	140	200	245
D (mm)	250	325	400
External Dimensions:			
H (mm)	585	655	705
W (mm)	375	435	505
D (mm)	485	610	675
Max. Power (W)	2400	3100	7400
Holding Power (W)			
Model 1100 (°C)	790	1500	1900
Model 1200 (°C)	850	1550	2250
Model 1300 (°C)	1000	1800	2500
Heat Up Time (mins)			
Model 1100 (°C)	30	80	40
Model 1200 (°C)	35	65	45
Model 1300 (°C)	40	80	55
Internal Volume (l)	5	13	23
H x W x D (mm)			
Model 1100 (°C)	85 x 90 x 110	120 x 120 x 185	155 x 165 x 285
Model 1200 (°C)	85 x 90 x 125	120 x 120 x 200	155 x 165 x 325
Model 1300 (°C)	85 x 90 x 150	120 x 120 x 225	155 x 165 x 340
Thermocouple Type			
Model 1100 (°C)	K	K	K
Model 1200 (°C)	R	R	R
Model 1300 (°C)	R	R	R
Weight (kg)	30	47	68

- 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.