

CWF General Purpose Chamber Furnaces

Standard features

- ✓ 1100°C, 1200°C or 1300°C maximum operating temperature
- ✓ 5, 13 or 23 litre chamber volumes
- ✓ Up & away door keeps heated surface away from the user
- ✓ Carbolite 301 controller with single ramp to set-point facility
- ✓ Delayed start & process timer function
- ✓ Hard wearing alumina element carriers, furnace entrance & hearth
- ✓ Energy efficient low thermal mass insulation
- ✓ Free radiating wire wound elements pitched for optimum uniformity
- ✓ Easy access to elements & controls simplifies maintenance & servicing



CWF 12/13/301

Options

specify these at time of order

- ✦ Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- ✦ 2 phase supply
- ✦ 8 or 20 segment programmer
- ✦ RS232 communications
- ✦ A variety of retorts & modifications are available for working with modified atmospheres

A modern design is combined with traditional know-how & technology, to provide a robust and reliable furnace. Easy to access replaceable heating modules makes maintenance simple.

Model	Max temp (°C)	Heat-up time (mins)	Dimensions		Temperature uniformity of $\pm 5^{\circ}\text{C}$ within H x W x D (mm)	Volume (litres)	Max power (W)		Thermo-couple type	Weight (kg)	Power supply
			Internal H x W x D (mm)	External H x W x D (mm) H (door open)			Holding power (W)				
CWF 11/5	1100	*34	135 x 140 x 250	585 x 375 x 485 (800)	85 x 90 x 110	5	2400	790	K	30	230V single phase
CWF 11/13	1100	*74	200 x 200 x 325	655 x 435 x 610 (905)	120 x 120 x 185	13	3100	1500	K	47	230V single or 2 phase
CWF 11/23	1100	*36	235 x 245 x 400	705 x 505 x 675 (990)	155 x 165 x 285	23	7000	1900	K	68	Universal
CWF 12/5	1200	*40	135 x 140 x 250	585 x 375 x 485 (800)	85 x 90 x 125	5	2400	850	R	30	230V single phase
CWF 12/13	1200	*70	200 x 200 x 325	655 x 435 x 610 (905)	120 x 120 x 200	13	3100	1550	R	47	230V single or 2 phase
CWF 12/23	1200	*36	235 x 245 x 400	705 x 505 x 675 (990)	155 x 165 x 325	23	7000	2250	R	68	Universal
CWF 13/5	1300	*50	135 x 140 x 250	585 x 375 x 485 (800)	85 x 90 x 150	5	2400	1000	R	30	230V single phase
CWF 13/13	1300	*75	200 x 200 x 325	655 x 435 x 610 (905)	120 x 120 x 225	13	3100	1800	R	47	230V single or 2 phase
CWF 13/23	1300	**37	235 x 245 x 400	705 x 505 x 675 (990)	155 x 165 x 340	23	7000	2500	R	68	Universal

'Universal' models are easily altered between single phase (220V), 3 phase+neutral (e.g. 380/220V) and delta (e.g. 220V) electrical supplies



Continuous operating temperature is 100°C below maximum temperature.

Heat up rates are measured on *240v or **400v supply to 100°C below maximum temperature.

Holding power is measured at the continuous operating temperature.