

The CWF laboratory chamber furnaces range of general purpose furnaces is supplied in three sizes, each available with a maximum operating temperature of either 1100°C, 1200°C or 1300°C.

## 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 setpoint and process timer
- Delayed start / process timer function as standard
- Hard wearing alumina element carriers, furnace entrance & hearth
- Energy efficient low thermal mass insulation
- Free radiating wire wound elements for optimum uniformity
- Easy access to elements & controls simplifies maintenance & servicing



CWF 11/13

## Options (specify these at time of order)

- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications (see pages 88-91)
- A variety of retorts & modifications are available for working with modified atmospheres

## Technical data

Model	Max temp (°C)	Heat-up time (mins)	Max continuous operating temp (°C)	Dimensions: Internal H x W x D (mm)	Dimensions: External H x W x D (mm)	Dimensions: External with door open H x W x D (mm)	Temperature uniformity of ± 5°C within H x W x D (mm)	Volume (litres)	Max power (W)	Weight (kg)
<b>CWF 11/5</b>	1100	30	1000	135 x 140 x 250	585 x 375 x 485	800 x 375 x 485	85 x 90 x 110	5	2400	30
<b>CWF 11/13</b>	1100	80	1000	200 x 200 x 325	655 x 435 x 610	905 x 435 x 610	120 x 120 x 185	13	3100	47
<b>CWF 11/23</b>	1100	40	1000	235 x 245 x 400	705 x 505 x 675	990 x 505 x 675	155 x 165 x 285	23	7000	68
<b>CWF 12/5</b>	1200	35	1100	135 x 140 x 250	585 x 375 x 485	800 x 375 x 485	85 x 90 x 125	5	2400	30
<b>CWF 12/13</b>	1200	65	1100	200 x 200 x 325	655 x 435 x 610	905 x 435 x 610	120 x 120 x 200	13	3100	47
<b>CWF 12/23</b>	1200	45	1100	235 x 245 x 400	705 x 505 x 675	990 x 505 x 675	155 x 165 x 325	23	7000	68
<b>CWF 13/5</b>	1300	40	1200	135 x 140 x 250	585 x 375 x 485	800 x 375 x 485	85 x 90 x 150	5	2400	30
<b>CWF 13/13</b>	1300	80	1200	200 x 200 x 325	655 x 435 x 610	905 x 435 x 610	120 x 120 x 225	13	3100	47
<b>CWF 13/23</b>	1300	55	1200	235 x 245 x 400	705 x 505 x 675	990 x 505 x 675	155 x 165 x 340	23	7000	68

**i** Please note:

- Heat up time is measured to 100°C below max, using an empty chamber
- Holding power is measured at continuous operating temperature

- Maximum power and heat up time based on a 240 V supply
- The uniform volume is smaller than the total chamber volume



# WolfLabs

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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

Please contact us if this literature doesn't answer all your questions.