

Laboratory Chamber Furnace - ELF

General Information

The ELF laboratory furnaces comprise 3 bench mounted models designed for light duty and general use up to 1100 °C.

These laboratory furnaces have a simple drop down door and a top mounted ceramic chimney. The combination of low thermal mass insulation and free radiating wire elements embedded in the chamber sides provide efficient heating.



Standard features

- 1100°C maximum operating temperature
- 6, 14 or 23 litre chamber volumes
- Drop down door with air gap to minimise external temperature
- Carbolite Gero 301 controller, with single ramp to set-point & process timer
- Delayed start / process timer function as standard
- Vacuum formed, low thermal mass insulation
- Hard ceramic hearth fitted as standard
- Ventilated via top mounted ceramic chimney

Options (specify these at time of order)

- Over-temperature protection (recommended to protect valuable contents & for unattended operation)

Technical Specifications

ELF 11/6

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	6
Heat-up time (mins)	28
Dimensions: Internal H x W x D (mm)	165 x 180 x 210
Dimensions: External H x W x D (mm)	580 x 410 x 420
Temperature uniformity of $\pm 5^{\circ}\text{C}$ within H x W x D (mm)	125 x 140 x 140
Max power (W)	2000
Holding power (W)	900
Thermocouple type	K
Weight (kg)	24

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ELF 11/14

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	14
Heat-up time (mins)	43
Dimensions: Internal H x W x D (mm)	210 x 220 x 310
Dimensions: External H x W x D (mm)	630 x 450 x 520
Temperature uniformity of $\pm 5^{\circ}\text{C}$ within H x W x D (mm)	170 x 180 x 205
Max power (W)	2600
Holding power (W)	1300
Thermocouple type	K
Weight (kg)	31

ELF 11/23

Max temp (°C)	1100
Max continuous operating temp (°C)	1000
Volume (litres)	23
Heat-up time (mins)	26
Dimensions: Internal H x W x D (mm)	235 x 255 x 400
Dimensions: External H x W x D (mm)	715 x 505 x 690
Temperature uniformity of $\pm 5^{\circ}\text{C}$ within H x W x D (mm)	195 x 215 x 305
Max power (W)	5000
Holding power (W)	1550
Thermocouple type	K
Weight (kg)	52

Please note:

- Heat up rate is measured to 100°C below max, using an empty chamber
- Holding power is measured at continuous operating temperature
- External dimensions with door closed and including chimney
- The uniform volume is smaller than the total chamber volume



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.