



LABORATORY CHAMBER FURNACE - ELF

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 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 DETAILS (MODELS)

	ELF 11/6	ELF 11/14	ELF 11/23
Max temp (°C)	1100	1100	1100
Heat-up time (mins)	28	43	26
Max continuous operating temp (°C)	1000	1000	1000
Dimensions:			
Internal H x W x D (mm)	165 x 180 x 210	210 x 220 x 310	235 x 255 x 400
Dimensions:			
External H x W x D (mm)	580 x 410 x 420	630 x 450 x 520	715 x 505 x 690
Temperature uniformity of $\pm 5^{\circ}\text{C}$ within H x W x D (mm)	125 x 140 x 140	170 x 180 x 205	195 x 215 x 305
Volume (litres)	6	14	23
Max power (W)	2000	2600	5000
Holding power (W)	900	1300	1550
Thermocouple type	K	K	K
Weight (kg)	24	31	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

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