



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