CARBOLITE®
Leading Heat Technology

CHAMBER FURNACES

ELF Chamber Furnaces

Standard features

- ✓ 1100°C maximum operating temperature
- ✓ 6, 14 or 23 litre chamber volumes
- ✓ Tilt forward, drop down door with air gap to minimise external temperature
- ✓ Carbolite 301 controller, with single ramp to set-point facility
- ✓ 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)

ELF 11/6

An economical furnace designed for light duty and general laboratory work. Low thermal mass insulation and multiple semi-embedded, free radiating wire wound elements in the chamber sides provide efficient heating.

Ventilation is via a top-mounted ceramic chimney, but if toxic or corrosive fumes are likely, use of one of our dedicated ashing furnaces or a retort should be considered.

Model	Max temp (°C)	Heat-up time (mins)	Dimensions		Temperature uniformity of ±5°C within H x W x D (mm)	Volume (litres)	Max power (W) / Holding power (W)	Thermo-couple type	Weight (kg)	Power supply
			Internal H x W x D (mm)	External H x W x D (mm)						
ELF 11/6	1100	35	165 x 180 x 210	580 x 410 x 420	115 x 130 x 130	6	2000 900	K	24	230V single phase
ELF 11/14	1100	40	210 x 220 x 310	630 x 450 x 520	130 x 140 x 220	14	2600 1300	K	31	single or 3 phase
ELF 11/23	1100	29	235 x 255 x 400	715 x 505 x 690	665 x 455 x 610	23	5000 1500	K	52	single or 3 phase

Continuous operating temperature is 100°C below maximum temperature.
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 include chimney.

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