

331-035



Model ELF Laboratory Furnaces

Economy furnaces to 1100°C. The ELF range offers good quality and reliability at low cost. The chamber is constructed of moulded ceramic fibre with heating elements positioned on two sides which ensures excellent temperature uniformity. The double-skin construction uses natural air convection for cool outer-case temperatures and a positive break door safety-switch isolates power whenever the door is opened. Supplied fitted with a Eurotherm 301 PID controller with single ramp to set-point facility and digital display. Heat-up times are rapid with 1000°C being achieved in less than 40 minutes. The drop-down door can be used as a shelf when loading and unloading. This furnace must not be used for ashing.

Specifications

Model	ELF 11/6	ELF 11/14
Capacity, L	6	14
Max. temperature, °C	1100	1100
Heat-up time, mins (to 100°C below max.)	35	40
Dimensions (wxdxh), mm		
Chamber	180x210x165	220x310x210
External	410x410x580	450x520x630
Weight, kg	24	31

Cat. No.	331-035	331-036
Price	POA	POA

Ashing furnaces are available, please enquire for details.

331-041



Model CWF Furnaces

These models incorporate a heating module situated on each side of the chamber. Each heating module consists of an alumina-based hard element carrier which houses a free radiating coiled wire element. The furnaces reach temperature quickly and efficiently. Hard wearing refractories around the chamber base provide excellent resistance to everyday wear and tear, whilst secondary low thermal mass insulation ensures maximum thermal efficiency. Double-skin construction promotes natural air convection for low outer-case temperatures. Power to the elements is isolated as soon as the door is opened. Supplied fitted with a Eurotherm 301 PID controller with single ramp to set-point facility and digital display.

Specifications

Model	CWF 11/5/301	CWF 11/13/301	CWF 11/23/301
Capacity, L	5	13	23
Nominal heat-up times ¹			
Model 1100°C, mins	30	55	40
Model 1200°C, mins	35	65	45
Model 1300°C, mins	40	80	55
Dimensions (wxdxh), mm			
Internal	140x250x135	200x325x200	240x400x235
External ²	375x485x585	435x610x655	505x675x705
Weight, kg	30	47	68
Uniform envelope ³ (±5°C)			
Model 1100°C, mm	90x110x85	120x185x120	165x285x155
Model 1200°C, mm	90x125x85	120x200x120	165x325x155
Model 1300°C, mm	90x150x85	120x225x120	165x340x155
Max. power, ⁴ kW	2400	3100	7250
Holding power ⁴			
Model 1100°C, W	700	1300	1900
Model 1200°C, W	850	1550	2250
Model 1300°C, W	1000	1800	2500

1100°C models	331-037	331-038	331-039
Price	POA	POA	POA
1200°C models	331-040	331-041	331-042
Price	POA	POA	POA
1300°C models	331-043	331-044	331-045
Price	POA	POA	POA

For other controller options available please contact our Technical Office on 01342 826836.

- 100°C below max. temp. (empty chamber).
- All external measurements are taken with the door closed and include the chimney.
- Uniformity graphs available on request.
- Measured at 100°C below max. temp. (based on 240 V supply with empty chamber).