

DIGITAL BENCH TOP FURNACES

(+1200°C / +1250°C)

Image: LEF-215P-2 and LEF-316P-3



Digital Bench Top Furnaces

- Ideal for melting, heat treating and ashing organic and inorganic samples
- Moulded ceramic fibre inside insulation
- Exposed elements to ensure rapid heating
- Supplied with high temperature plate to protect elements on the base
- Fitted with a safety thermostat
- Power cut off to elements when the front door is opened
- Programmable controller for simple ramp up and ramp down programs

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PRODUCT DETAILS

These digital muffle furnaces have a maximum working temperature of 1250°C (slide up safety door) and are ideal for ashing organic and inorganic samples, heat treating metals, ignition testing and determination of volatiles.

The range features three front opening door models, and two new counter balanced slide up safety door models which leave the hot door surface facing away from the user.

The inside of the furnace is constructed from a moulded ceramic fibre insulation with an air jacked dual stainless steel case providing a compact working condition while keeping the outside of the unit cool even at high temperatures. Embedded heating elements installed in all sides provide a uniform heating level within the chamber. A high temperature plate is supplied to ensure the items stored within the chamber are not in contact with the elements.

For added safety, these furnaces have a safety thermostat fitted to stop the furnace over heating should the controller fail. A safety switch automatically turns the furnace off when the front door be opened.

Available Temperature Ranges

Slide up door models: +1250°C

Front opening door models: +1200°C

Safety Features

Over temperature safety thermostat

Over current protection

Power cut off when the front door is opened

SPECIFICATIONS

Model	LEF-105P-2	LEF-115P-2	LEF-130P-2
Door Type	Front Opening Door with Safety Cut Off		
Temperature Range	Ambient +5°C to +1200°C*		
Internal Dimensions (WxDxH mm)	150x300x100	250x350x160	300x300x300
Capacity (litres)	4.5	14	27
External Dimensions (WxDxH mm)	420x530x510	530x585x580	580x590x725
Time To Heat To 800°C	20 minutes		
Thermocouple	K Type, CA Sensor		
Heater	Ceramic Fibre with Built in Heating Wire, 4 Side Heating		
Controller	Microprocessor step program controller / 3 Patterns with 16 Segments		
Electrical	3000 / 15Amps	5000 / 20Amps	6000 / 30Amps

*Furnaces can only be run at their maximum temperature of 1200°C for no longer than 1 hour each period. A maximum running temperature of 1000°C is recommended if running for longer than 1 hour each period.

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SPECIFICATIONS

Model	LEF-308P-3	LEF-316P-3
Door Type	Front Slide Up Door with Safety Cut Off	
Temperature Range	Ambient +5°C to +1250°C*	
Internal Dimensions (WxDxH mm)	200x250x160	280x300x190
Capacity (litres)	8	16
External Dimensions (WxDxH mm)	480x480x580	580x530x810
Time To Heat To 800°C	20 minutes	
Thermocouple	K Type, CA Sensor	
Heater	Ceramic Fibre with Built in Heating Wire, 4 Side Heating	
Controller	Microprocessor step program controller / 3 Patterns with 16 Segments	
Electrical	2800 / 15Amps	4000 / 17Amps

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Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.

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