

MUFFLE FURNACE

SAFETY DOOR (+1200°C)

LABEC Muffle Furnaces are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. The double skinned construction keeps the exterior body cool at high temperatures and provides excellent stability.

The furnace features light weight ceramic fibre insulation for rapid thermal cycling and heating by electric elements with a rear vent port for natural venting or gas purging.

The safety door models door is firmly held closed with self tensioning springs and lifts open with a slight pull. The lift up feature keeps the door hot face away from operator when open and has a safety cut off when the door is opened during operation.

A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to +1200°C, when optioned the controller can be connected via RS232/RS458 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

To suit your functionality the addition of options such as programmable controllers, timers and cable access ports are also available.



OTHER STANDARD FEATURES INCLUDE:

- RCD/ ELB (earth leakage breaker)
- Over Temperature Alarm Cut Off
- Stainless Steel exterior
- Type N Thermocouple



Serving the Scientific, Medical and Research industries since 1945

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SPECIFICATIONS

MUFFLE FURNACE

Safety Door (+1200°C)

Model	CEMLS-SD	CEMLM-SD	CEMLL-SD
Capacity (litres)	4	7	15
Int. Dim. (mm) H x W x D	90 x 165 x 250	135 x 170 x 290	150 x 240 x 425
Ext. Dim. (mm) H x W x D	610 x 460 x 430	610 x 460 x 490	620 x 535 x 620
Temp. Controller	Digital PID Controller		
Temp. Min.	Ambient +5°C		
Temp. Max	1200°C		
Temp. Setting Accuracy	1°C		
Temp. Fluctuation	+/- 1°C		
Temp. Sensor	Type N		
Heating System	Electric Element		
Interior Material	Ceramic Lined		
Exterior Material	Stainless Steel		
Options	Cable entry port, programmable controller, extraction vent, internal shelf. Other models: cantilever door, ashing furnace, volatile matter furnace, side opening door.		
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB).		
Power Supply	240v / 50Hz		
Power (W)	2400W/10AMP	3600W/15AMPS	4800W/20AMP S
Weight (kg)	32	42	59

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