

ASHING MUFFLE FURNACE (+1200°C)

LABEC Ashing Muffle Furnaces

are manufactured in Australia to meet AS1038.4-1995 standard. Manufactured 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 Ashing furnace has 2 Inlet tubes located at the back of the furnace to prewarm air, the pre heated air flow maintains even temperature and meets the standard of 2-20 exchanges per minute @ 800°C.

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.

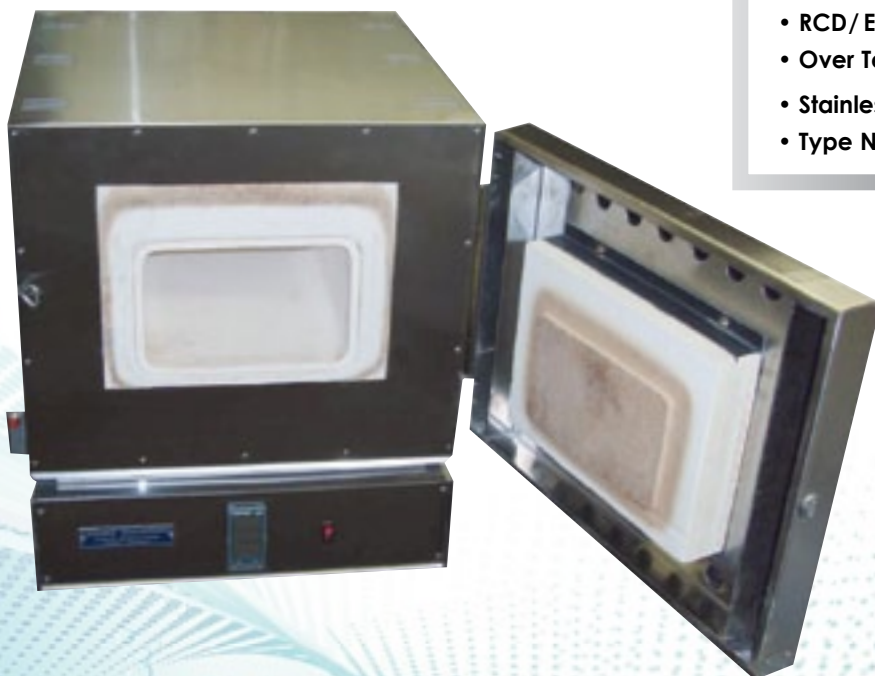
The door is firmly held closed with adjustable side locking latch and has a safety cut off when the door is opened during operation.

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



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Laboratory Equipment Pty Ltd

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email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au

SPECIFICATIONS

ASHING MUFFLE FURNACE (+1200°C)

Model	CEMLS-1038	CEMLM-1038	CEMLL-1038
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 510	610 x 460 x 570	620 x 535 x 710
Temp. Controller	Digital PID Controller		
Temp. Min	Ambient +5°C		
Temp. Max	1200°C		
Temp. Setting Accuracy	1°C		
Temp. Fluctuation	+/-1%		
Temp Sensor	Type N		
Heating System	Electric Element		
Interior Material	Ceramic Lined		
Exterior Material	Stainless Steel		
Rate of Ventilation	2-20 Exchanges per minute @800°C		
Options	Cable entry port, programmable controller, cantilever door, safety lift up door, volatile matter furnace		
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB)		
Power Supply	240V / 50 Hz		
Power (W)	2400 / 10 AMPS	3600 / 15AMPS	4800 / 20AMPS
Weight (kg)	22	32	39

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