



MANUFACTURERS OF:
Industrial Oven, Furnaces, Cooling
Equipments, Scientific, Surgical, &
Laboratory Equipments

LAB-CARE
INSTRUMENTS & SERVICES

MUFFLE FURNACE

Introduction : “Lab Care” make Laboratory Furnace are designed and fabricated to suit various I.S. and A.S.T.M. standards application in the growing field of Medical, Agricultural, Industrial, Research laboratories, Metal Treatment , Ash Determination and Wool Industries.

Features :

- a) Temperature up to 1150 °C.
- b) Time proportionate digital Temperature controller with an accuracy of +/- 3 °C.



Specification:

Models	LC-20a	LC -20b	LC -20c	LC 20d
Chamber Volume	2.30 ltrs.	4.25 ltrs	6.75 ltrs.	23.80 ltrs.
Internal Size(Muffle)	23 x 10 x 10 cms	25 x 13 x 13 cms	30 x 15 x 15 cms	45 x 23 x 23 cms
External Size	45 x 35 x 35 cms	47 x 38 x 38 cms	53 x 41 x 41 cms	69 x 50 x 50 cms
Range	Up to 1150 °C			
Accuracy	+/- °C of set Value			
Heat up time	70 min. upto 1150°C without load.			
Controller	Digital Display Electronic Controller.			
Sensor	CR/AL Thermocouple.			
Internal Chamber	Silimenite muffle			
External	Mild Steel powder coated			
Insulation	Ceramic Blanket			
Heater Element	Kanthal A1.			
Door brick insulation	HFK Bricks.			
Optional				
Safety device	Safety Digital Controller .			
PID Control	Microprocessor based PID Controller (Profile & without Profile)			
Timer	ON / OFF cycle.			
Solid State Fuse	Electronic Solid State Fuse			
Air circulation	Ventury Ejector at back as per A.S.T.M.			
Capacity (watts)	1800	2250	3200	6000
Power Consumption	8.0 amps	10.0 amps	14.0 amps	25.0 amps
Net weight.	35 kg	45 kg	55 kg	85 kg
Electric requirements AC 230 V & 50 Hz cycle.				

Cell : 09821544308 / 99320671406

*N.B. : Due to continuous R&D model / specifications may change.
Picture shown with optional accessories.*

E-mail : lab_care@rediffmail.com / rhussain11@yahoo.co.in
www.labcareindia.com / www.labcareservices.com

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Picture shown with optional accessories.*