

MUFFLE FURNACE

Key Features

- Outer made of double walled thick MS Sheet duly epoxy coated
- Muffle chamber made of high grade ceramic, surrounded with heating elements made of Kanthal A-1 wire and backed by high temperature ceramic wool insulation to avoid thermal loss
- Digital PID temperature controller with timer
- Sensor – Cr/Al
- Safety – High Speed semiconductor fuse, over current short circuit protection, high temperature alarm
- To work on 220/230 volts or 400/440 volts AC supply



Thermal Controller

Specifications

Cat No.	BB-MF-1	BB-MF-2
Max temperature	1100°C	1450°C
Continuous operating temp.	1000°C	1400°C
Heating element	Kanthal – A1	Silicon carbide
Furnace Thermocouple	K Type	R Type
Chamber	Ceramic fiberboard	Zirconia Fiber Board
Exterior	MS	MS
Insulation	1400 ZTL board	1400 ZTL board
Temperature controller	PID controlled with SILICON Controlled Rectifier	PID controller with imported Japanese Thyristor
Power supply	220 Volts 50Hz	220/440 volts, 50 Hz

Chamber Size (inch)	Chamber Dimension (mm)	Volume (Liters)
4 × 4 × 9	100 × 100 × 225	2 liters
5 × 5 × 10	125 × 125 × 250	4 liters
8 × 8 × 12	200 × 200 × 300	12 liters
12 × 12 × 12	300 × 300 × 300	28 liters
12 × 12 × 18	300 × 300 × 457	42 liters
12 × 12 × 24	300 × 300 × 609	56 liters