

MUFFLE FURNACE

Construction & Design Features

- Muffle Furnaces are Precisely Constructed and fabricated thereby giving consistency in performance-operation and an professional look..
- The outer casting is made of double walled thick PCRC sheet, duly painted with attractive stove enamel.
- Light weight with ceramic wool insulation (instead of Brick insulation), ensures temperature stability and reduced energy consumption.

Control Panel Features

- Microprocessor-based PID controller with auto tuning for accurate control of temperature and conditions and printer interface facility to store data and to print it directly on a printer with variable print time interval.
- Thermocouple sensor is provided to measure temperature in the Furnace.

Safety Interlock Features

- Thermal Fuse as a safety system is provided as an additional safety feature.
- Dedicated Safety system to cutt off the heating system and chamber shut down in case of overshoot or undershoot of temperature with audio visual alarm.
- Furnace are provided with safety cut offs and alarms at centralised alert & security gate area.
- Electrical Safety fuses for short circuit protection.

Software Features

- PC Communication Software for On line data logging .
- Records in graphical and in tabular form.

Complete documentation with extensive DQ, IQ, OQ and PQ protocols as per the International guidelines along with calibration certificates.

Technical Data

- Standard Model(S):Inside Muffle with ceramic wool insulation& outside mild steel powder coated.
- GMP Model(G): Inside Muffle with ceramic wool insulation & outside with S.S. 304 matt buff.
- Temp Range : 50°C To 1150°C

Optional Extras / Accessories

a) Digital PID controller with printer interface to connect EPSON Dot matrix line printer. Print interval programmable, can print date, time, temperature

b) PC interface for above controller with software on CD & hardware

e) Digital Safety Controller as a final safety to avoid accidental breakdown.

MODEL	RATING/TEMP	INNER SIZE
IEC-MF/01	2KW / 1150°C	10 X 10 X 23 CM
IEC-MF/02	3KW / 1150°C	15 X 15 X 30 CM
IEC-MF/03	6KW / 1150°C	23 X 23 X 45 CM