



MUFFLE FURNACE RECTANGULAR

(High Temperature 1400°C)

Specially designed rectangular Programmable high quality furnaces to meet the customer's requirement in various fields such as Educational, Research and Industrial. It is useful for hardening, tempering, annealing, reheating and case hardening etc.

CONSTRUCTION : Double walled rigid construction made from thick mild steel sheet with proper grader and stiffeners, duly powder coated filled with high quality UNIFEX ceramic fiber blanket with combination of low thermal mass refractory insulation all around to minimize the heat loss.



HEATING ELEMENTS AND TEMPERATURE CONTROLLER: Silicon carbide heating elements are fitted to achieve the temperature upto 1400°C. The temperature is controlled by FUJI/ HONEYWELL / MEXTHERM PID Microprocessor based Digital Temperature Indicator cum controller with temperature stability of $\pm 1^\circ\text{C}$. The controller with 8 programmes and 4 step in each segment with ramp and soak to display the set temperature with dwell auto cut off at set point.

TECHNICAL SPECIFICATIONS

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| 1. Furnace Shell | : | Box Type Rectangular furnace |
| 2. Furnace stands cum control | : | Opening from front side |
| 3. Shell construction | : | Double walled, High quality fabricated from M.S. structure with powder coating paint. |
| 4. Door Construction | : | Sophisticated system to avoid heat loss made by Mild steel door with proper insulation |
| 5. Maximum Temperature | : | 1400°C |
| 6. Working Temperature | : | 1200°C |
| 7. Thermocouple / sensor | : | Pt-PT-Rh (R type) |
| 8. Safety features | : | Siemens Thyristor control drive, L&T Make MCB, Safety fuse, Amp. And Volt Meter, Over shoot and short circuit protection , ON/OFF switch, Audio alarm or Indicator in case of temperature failure, Main Indicator lamp etc. |
| 9. Power supply | : | 220 Volts AC single phase 50 Hz or 3 Phase 440 Volts supply as per customer's requirement. |

SIZES AVAILABLE

MODELS	Width x Height x Depth (mm)	Rating
LSI-MBMF 150	100 x 100 x 225	3.0 K.W
LSI-MBMF 200	150 x 150 x 300	3.5 K.W
LSI-MBMF 100	200 x 100 x 300	4.0 K.W
LSI-MBMF 250	175 x 175 x 300	5.0 K.W
LSI-MBMF 300	200 x 200 x 300	6.0 K.W