

MUFFLE FURNACE

Engineered for High Temperatures

Built for Accuracy

INTRODUCTION

Equipaxis Muffle Furnace is a high-performance heating system designed to deliver reliable, efficient, and consistent high-temperature operations for laboratory and industrial applications. Ideal for processes such as ashing, heat treatment, sintering, and material testing, it ensures precise thermal conditions for accurate results.

Equipped with advanced PID temperature control and high-quality heating elements, the system provides uniform heat distribution and stable performance, making it suitable for demanding high-temperature applications.

KEY FEATURES



Efficient Heating Mechanism

High-quality Kanthal A-1 heating elements ensure uniform heat distribution throughout the chamber for consistent and reliable performance.



High Temperature Capability

Designed to reach temperatures up to 1200°C with a working range of 1100°C, suitable for intensive thermal processes.



Precision Temperature Control

Digital PID controller ensures accurate temperature regulation with minimal fluctuations for reproducible results.



User-Friendly Interface

Equipped with an easy-to-use control panel and LED display for convenient monitoring and operation.



Robust Construction

Outer body made of powder-coated mild steel / GI ensures durability, while the high-purity ceramic inner chamber enhances heat retention.



Superior Insulation

Ceramic fiber wool insulation minimizes heat loss and improves energy efficiency.



Advanced Safety Features

Includes over-temperature protection and fuse/MCB protection to ensure safe and long-term operation.



Reliable Performance

Engineered for consistent and stable operation across various laboratory and industrial heating applications.



High Temperature Excellence Redefined

SPECIFICATIONS

Maximum Temperature	1200°C
Working Temperature	1100°C
Temperature Accuracy	±5°C
Heating Element	Kanthal A-1 wire
Outer Body	GI sheet powder coated
Inner Chamber	High-purity ceramic
Insulation	Ceramic fiber wool for heat retention
Controller	Digital PID temperature controller
Display	LED display
Sensor	K-Type / Y-Type thermocouple
Door Type	Front opening, insulated door
Power Supply	220V / 230V, 50 Hz

AVAILABLE MODELS

Model No	Chamber Dimensions	Wattage
EA376	4X4X9"	3.0 KW
EA377	5X5X10"	3.5 KW
EA378	6X6X12"	4.5 KW
EA379	8X8X12"	5.0 KW

SAFETY FEATURES

- ▶ Over Temperature Protection System
- ▶ MCB Electrical Safety Protection
- ▶ High-Temperature Insulated Door Safety
- ▶ PID Controlled Thermal Safety Monitoring
- ▶ Heat Resistant Ceramic Chamber Protection



Scan to know more

High Temperature Excellence Redefined