

# MUFFLE FURNACES

High accuracy electric muffle furnace is a universal laboratory furnace, firing up to 1100°C and designed for material testing and heat treatment such as hardening, loosening, normalising ceramic and stoneware samples. To eliminate gases or smokes that are released during thermal processing, an exhaust system may be additionally installed in the product. The furnace is an excellent fit for scientific laboratories, educational institutions, ceramic studios, medicine and industry.

**Models available LT:** 3 – 8,2 – 13 – 22 – 39lt

## BASIC MODEL:

- One piece high thermal efficiency, vacuum-formed ceramic fiber chamber;
- Heating elements, embedded in a vacuum formed fiber, are inside four walls of the chamber;
- Outside casing – metal sheet, powder painted grey;
- Door opens upwards;
- Door safety interlock switch;
- Control panel is placed in the underpart of the furnace;  
Digital PID temperature controller E5CC (1 program, 2 steps);
- Ceramic bottom plate;
- Fast heating time due to low thermal mass construction;
- Low power consumption;
- Good stability and uniformity;
- 1 year warranty.

## OPTIONS:

- Process observation window (o 35 mm) up to 1100 °C;
- Fan-assisted chimney for air extraction;
- Additional ceramic hearth plates;
- Buzzer;
- Programmable temperature controller;
- Digital timer for delayed start;
- Protection against overheating;  
Data recorder;
- Data communication/USB;
- Calibration of temperature measurement system;
- Table for supporting the furnace;
- Protective gas atmosphere;
- Gas box up to 1100 °C;
- Metal tray;
- Additional 1 year warranty.



MODEL (LT)	TEMP. °C	INT. DIMENSIONS	EXT. DIMENSIONS	POWER SUPPLY	WEIGHT
3lt	1100°C	120X200X105	345X470X430	1,7Kw 230V	1,7Kg
8,2lt	1100°C	195X310X135	445X660X495	1,8Kv 230V	25Kg
13lt	1100°C	220X335X170	505X685X555	1,8Kv 230V	36Kg
22lt	1100°C	280X500X160	605X855X620	3Kv 230V	59Kg
39lt	1100°C	320X495X230	655X890X740	6Kv 400V	75Kg