

# MUFFLE FURNACE

Code : G050



- Used in the following tests:
  - Determination of the amount of suspended solids
  - Determination of non-combustible and non-volatile percentages in a test specimen
  - Loss on Ignition
  - Determination of the major elements in a test specimen
  - Determination of the amount of pure silica in a test specimen
  - Determination the change in mass on fusion of the cement
  - Determination of residual mineral matter in the binder extract by incineration tests in a test specimen
  - Preparation of fused beads and pressed pellets
  - Ashing organic and inorganic samples
  - Heat-treating steel samples
- Equipped with safety door switch that shuts off the control circuits when the door is opened

- Equipped with Proportional Integral Derivative (PID) controlling unit from which the current temperature can be monitored, and the target temperature can be set in a user-friendly manner
- Insulation is completely made of high-grade ceramic fiber with low thermal mass for fast heating cycles making the Muffle Furnace energy-efficient
- The front loading to the furnace provides easy access
- Effortless maintenance and servicing due to the easy access to heating elements and other internal components
- It is highly recommended to use the furnaces at temperatures above 500°C
- Other than the wide selection of different sizes of Muffle Furnaces that our experts have put together, we are proudly ready to manufacture furnaces in custom dimensions (tailor-made) as per the requirements

**TECHNICAL SPECIFICATIONS**

- PID Control
- High-Grade Ceramic Fiber Insulation
- The front loading to the furnace provides easy access
- Power Supply: [220 - 240 V / 50 - 60 Hz] or [380 V / 50 - 60 Hz]

**EQUIPPED WITH**

- Safety door switch that shuts off the control circuits when the door is opened
- Proportional Integral Derivative (PID) controlling unit from which the current

**ORDERING INFORMATION**

| NO | ITEM                             | CODE         |
|----|----------------------------------|--------------|
| 1  | MUFFLE FURNACE - 1100 °C / 7 LT  | G 050 X106 U |
| 2  | MUFFLE FURNACE - 1100 °C / 10 LT | G 050 X110 U |

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| 3 | MUFFLE FURNACE - 1200 °C / 7 LT  | G 050 X207 U |
| 4 | MUFFLE FURNACE - 1200 °C / 10 LT | G 050 X210 U |
| 5 | MUFFLE FURNACE - 1300 °C / 7 LT  | G 050 X307 U |
| 6 | MUFFLE FURNACE - 1400 °C / 5 LT  | G 050 X405 V |
| 7 | MUFFLE FURNACE - 1500 °C / 5 LT  | G 050 X505 V |