

# Muffle Furnace



## Construction:

Outer body is made of thick Mild Steel. Furnace is lagged with ceramic wool for insulation. Heaters are made of A1 Kanthal wire, uniformly wound on the muffle. A safety thermal fuse is provided to fuse off when the temperature exceeds the set temperature. Mild steel control box is fitted on the bottom side of the furnace. It consists of indicating lamps, On/Off switch, solid-state relay and digital PID controller along with Cr/Al thermocouple sensor.

## Specifications:

**Size of working chamber :** 4" x 4" x 9", 5" x 5" x 10", 6" x 6" x 12" or Custom specified spec.

**Temperature range:** 100 °C above ambient to 1050 °C.

**Temperature control method:** PID Based Temperature Controller

**Control Accuracy:** +/- 5°C

**Heater Firing Method:** Solid State Relay

**Paint :** Powder coated.

**Power :** 230 Volts, 50/60Hz, single phase

**Akash Enterprises**  
**T8C/1E, Jogodyan Lane.**  
**Kolkata: 7000054**  
**Phone: 9831849325**

**Email: [akashenterprises2003@gmail.com](mailto:akashenterprises2003@gmail.com)**