

1. Muffle Furnace



Description

Temperature - 1000°C (Max.)

Input: 230 V, 16 A

Digital temperature controller.

Applications

Muffle Furnace is an extremely heated chamber, walls of which can radiantly heat the content which is kept inside so that material cannot have direct contact with the flame. They are employed to measure the characteristics of the materials at high and required temperatures. These instruments are utilized for calcination of the materials at high temperatures.

2. Tubular Furnace



Description

Temperature - 1000°C (Max.); Input: 230 V, 16 A' Digital temperature controller

Applications

Tube furnaces can be used for thermolysis reactions, involving either organic or inorganic reactants under required atmosphere (O_2 or N_2 or Argon) which flow through the tube. Here quartz or alumina tube is the working chamber.

3. Vacuum oven



Description

Temp: Ambient to 220°C
Power Rating: 3.5 KW
PID temperature controller

Applications

It is used for drying the samples. The advantage of using vacuum drying is its energy conservation – less energy is required for drying.

4. Hot air oven



Description

PID controller with SSR Controller output
Temp: Ambient +5 to 250 degree C
Accuracy: ± 1 to 2 degree
1.5 KW – 230 volts single phase

Applications

It can be used for drying, evaporating, dehydrating, annealing and other laboratory works.
