

# RECTANGULAR FURNACE



## MODEL : MRF-100

### TECHNICAL SPECIFICATIONS

Outer casing is made of double walled thick P.C.R.C Sheet, finished with attractive powder coating. Insulation is of ceramic fibre board or with refractory brick insulation. Element are made of KANTHAL "A-1" wire in coil form.

Inner muffle size : 24inch wide, 30 inch depth and 24inch high. Temperature of the furnace is controlled by programmable microprocessor based PID controller, (master – slave set up) with soft touch key pad and dual display of process and set temperature. Temperature set point accuracy  $\pm 1^{\circ}\text{C}$ . The power unit of the furnace is phase angle fired thyristor having smooth increase of current instead of pulse type. With digital 8 channel Data Recorder, the stored data can be transferred to the pen drive and viewed on PC in excel sheet. Maximum Temperature  $1200^{\circ}\text{C}$ . Working Temp.  $1100^{\circ}\text{C}$ . The heating Elements are placed on the two sides for uniform heating of the work space. The heating of the furnace is divided in 3 Zones, having Temp. Controller in master- slave set up with independent sensors and thyristors . This arrangement gives uniform temp in the furnace.

Rating is minimum 18 K.W. Suitable to work on 415/440 Volts A.C. 3 phase supply. As the furnace is required to heat reinforced concrete beams, etc, the base is heavy and able to support 100 kg weight. Suitable Insulated door arrangements is provided to insert and eject the specimens. The furnace is mounted and heavy 2/1/2ft (H) angle iron stand, with wheels for easy movement



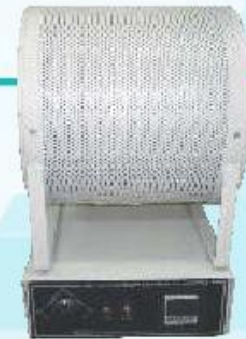
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# CYLINDRICAL FURNACE

## MODEL : MCF-11 (V / H)

### TECHNICAL SPECIFICATIONS

The tube furnace comprises of Alumina tube of Dia 50mm and length 250mm, with hot zone of 100mm at the centre. The tube has both ends open, from one end the thermocouple is placed. The cylindrical furnace can be oriented vertically or Horizontally (as ordered). The control panel of the furnace is separate having PID microprocessor controller, solid state relay, etc. Suitable to work on 220V, 50Hz AC only.



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# TILTING FURNACE

## MODEL : MTF-10

### TECHNICAL SPECIFICATIONS

Maximum Temperature	: 1100°C
Crucible	: Silicon Carbide Pot
Capacity	: 10kg. (Aluminium)
Thermocouple	: K Type
Temp. Controller	: PID Digital Temperature Controller
Power Relay	: Contactor
Control Panel	: Separate
Tilting	: Manual
Fabrication	: Heavy Angle Iron Frame
Power Supply	: 415V, 3Phase AC



MODEL : MTF-10

# HEATING MANTLE

## MODEL : MHM - 1

### TECHNICAL SPECIFICATIONS

Aluminium housing non - rusting, usable with round bottom flask, thick knitted fiber glass netting with energy controller.

Capacity : 50ml, 100ml, 250ml, 500ml, 1Ltrs., 2 Ltrs., 3 Ltrs., 5 Ltrs., 10 Ltrs.



MODEL : MHM-1