

# VACUUM FURNACE



An ISO 9001-2015 Certified Company

## MODEL : MVF - 1000

### TECHNICAL SPECIFICATIONS

Furnace Structure	: Double layers steel casing with fan cooling Inner vacuum furnace chamber Size = 100 x 100 x 100mm (W x D x H) Outer steel cylindrical chamber with vacuum & gas purging attachment.
Temperature Control	: Programmable PID Digital auto temp. control (1 prog. x 16 segments) Over-heat protection and thermocouple broken protection. Rate of Heating adjustable, Soak time can be set as desired.
Control Accuracy	: + / - 1°C
Temperature	: Working Temperature : 1100°C or 1400°C
Thermocouple	: K-Type or R-Type
Gas Purging	: Purging gas inlet and outlet facility. Gas inlet in the bottom of the wall and gas outlet in the top of the opp. Wall (Diagonally opposite)
Power	: 4 KW
Control Panel	: Placed on the side or bottom of the furnace, with Temp. & Vacuum Indicator, Gas flow meter, switches, indicating etc.
Vacuum Pump and Valve	: Pumping rate : 300 Lt. / min Vacuum Double stage pump, to achieve 10 to 0.1 torr in the chamber. KF-25 adapter and stainless steel pipe are connected between pump and tube flange with precision ball valve



### OPTIONAL :

Gas flow meter 50 to 500 SCCM (gas to be specified)  
Diffusion pump for vacuum upto 10-2 torr in chamber

# SALT BATH FURNACE

## MODEL : MSB-1000

### TECHNICAL SPECIFICATIONS

Salt bath furnace for quenching up to 800°C
Bath Volume : Dia = 70cm, Depth = 70cm
Material of Crucible : SS 310, 8mm Thickness
Heating Element : Kanthal A1
Temp. Range : 150°C to 800°C
Temp. Control : $\pm 1^\circ\text{C}$
Operation : 6 to 12 HRS
Temp. Control : PID Temp. Control with contactor / Relay etc.
Construction : Cylindrical in shape, having top opening, with manual cover closing.
Heating element are placed on the circumference and over the height.
Insulation by ceramic fiber blanket with outer mild steel casing.
Power : 65 KW
Supply : 415V, 3 phase AC supply



### ACCESSORIES (at extra cost)

- # MS steel Frame / Structure : Frame / Structure which has provisions for following purposes
  - To lift 200 Kg weight sample by motorised wire rope and pulley arrangement.
  - To move the sample Horizontally as well as vertically
- # MS angle Iron Table : To place the sample of 200kg weight.  
Dimensions : Length = 900mm, Width = 600mm, Height = 600mm



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Specifications and Design Subject to Change Without Notice.

