

HIGH TEMPERATURE SINTERING FURNACE

BRAND:- THERELEK
MODEL:- HTSF/1750/64L



**THERELEK FURNACES
PVT. LTD.**

High temperature sintering furnace for quick heating to 1750deg.c
Therelek Model:- HTSF/1750/64L Furnace has robust design with latest programming features,
Thanks to it's ease of operation. This heating furnace is a must have for R & D laboratories.



SPECIFICATIONS:

- High temperature sintering furnace with stainless steel outer construction
- Double wall construction for lowering down the skin temperature
- Internal chamber size:- 400mm(W) x 400mm(H) x 400mm(D)
- Capacity of the chamber 64liters
- Maximum temperature 1750deg.c
- Continuous operating temperature 1700deg.c
- Temperature accuracy:- ± 1 deg.c
- Temperature uniformity:- ± 7 deg.c
- Time to reach maximum temperature not more than 90mins
- Molybdenum disilicide (MoSi₂) heating element placed on the both sides & back of the heating chamber
- Ramp rate 800deg.c/hr from room temp. to 1650deg.c
- Cooling rate 5-10deg.c/min upto 500deg.c
- Front opening parallel moving door with suitable locking arrangement
- Thermocouple:- 'B' type
- Motorized exhaust vent flap placed on the top of the furnace
- Control panel placed below the furnace with indicating lamps, ammeter, voltmeter, safety controller, PID temperature controller, control switch, heater switch, thyristor, transformer, cooling fan and other electrical switchgear items
- Power rating:- 18KW
- Power supply:- 415V, 50Hz, 3 phase

AREAS OF APPLICATION:



Basic research/research industries



Heat treatment industries



Automobile industries

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