TEMPSENS
Thermal & Cable Solutions

Industrial Furnace

Furnace Structure

1. Furnace Outer Shell	: 1380 x 620 x 610 mm (HxWxD)
2. Shell Construction	: High quality fabrication of M.S.Body and M.S. Angle's structure with proper stiffeners and neat powder coat painting and main chamber made out of Stainless steel (316 grades)
3. Furnace Panel Box	: Control panel box coupled with furnace bottom
4. Insulation	: Imported Insulation board
5. SS Chamber size	: 150 x 150 x 150 mm (HxWxD)
6. Susceptor Cavity Size	: Customized
7. Size of the Sample	: Customized
8. Fittings	: Stainless steel fittings (pipe lines and needle valves and purging facility and vacuum dial gauge will be provided for controlled atmosphere as per customer requirement.

Control System

1. Temperature control	: Eurotherm Micro processor based PID programmer cum Digital Temperature Indicator
2. Temperature sensor	: Non contact infrared sensor (Pyrometer)
3. Temperature accuracy	:±2°C at soaking
4. Control switches	: Mains on, out put on
5. Safety	: Input, output fuses

MICROWAVE FURNACE - MWF

Microwave Furnaces represent a system that combines free radiating heating elements with a microwaves field. Key advantages include greater energy efficiency, faster sample heating, more uniform heating and improved material properties.

Product Details

- Chamber Size : 150 x 150 x 150 mm (HxWxD)
- Susceptor Cavity Size : Customized
- Size Of The Sample : Customized
- Heating System : Microwave by magnetron
- Maximum Temperature : 1200°C (Optional 1600°C)

Heating System

1. Heating system	:	Microwave by magnetron
2. Power rating	:	2.45GHz with 900W each x 2 numbers
3. Operation	:	Single phase / AC
4. Power output	:	Two magnetrons with total 1.8KW
5. Rate of heating	:	Programmable

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