



Specification :

- Internal size: 9" width X 9" height X 18" depth
- Hot zone volume 9" width X 9" height X 18" depth
- Front Loading with Suitable Opening Door Mechanism
- Entrance size 9" width X 9" height
- Shell Construction: Double Walled High quality fabrication of M.S.Body. Angle frame 40/4 and M. S. sheet 14 SWG, Front Plate 8 mm Thickness Structure with Proper Stiffeners and neatly powder Coated
- Insulation : High grade pressed zirconium Blanket ceramic Fiber and insulation brick, insulation thickness will be 250mm approx
- Chamber : Chamber made of high alumina cumilite brick 90% alumina temp 1600 max

Heating System :

- Heating elements: Silicon carbide rod (12 numbers with even Distribution) Element is Two Side left & Right
- Type of element: Solid type
- Hot zone length: 200 mm
- Total length of element: 650mm
- Outer dia: 18 MM
- Resistance of the element: 1.74 ohms
- Operation: 440 V AC Three Phase
- Rating: 9 kW line load
- Maximum temperature: 1550 °C
- Working temperature: 1500°C (For continuous operation) 4-6 hours
- Electrical line requirement: 100A - MCB (Three phase with neutral) has to be arranged by the customer

Note: Specifications are subject to change.

Control System :

- Temperature control: Auto Tune PID Digital Temperature controller, programmable with ramp and soak
- Temperature sensor: Pt+Rh13%/Pt - 'R' type thermocouple along With Recrystallized alumina beads and sheath
- Indications : Amp meter
- Pilot indicating light
- Mains Indicator
- Output Indicator
- Control switches: Mains on, Out put on
- Safety Control : Over heat safety cut-off of safety controller provided.

Technical Specifications	
Construction	Fabricated from Mild steel material, which is powder coated in attractive shades
Inner working size	9" width X 9" height X 18" depth
Chamber volume	23 Liters
Chamber insulation	Ceramic fiber wool insulation with Cooling fan for low skin temperature
Door opening	Swing aside, Front loading type
Maximum Temperature	1500 °C
Working Temperature	1450°C
Temperature Control	Microprocessor Based PID Temperature Programmer/controller with 32 Ramp/dwell segments and 0-5 volts output for the thyristor system.
Temperature Accuracy	± 1 - 2% °C
Temperature Resolution	0.1 °C
Temperature sensor	Pt+Rh13%/Pt - 'R' type
Heating elements	Silicon carbide rod (12 numbers with even Distribution) Element is Two Side left & Right
Rating	9 kW
Time to reach 1450°C	1.5-2 hours
Circuit Wiring	As per International Standards
Operation on	440 V AC Three Phase

Note: Specifications are subject to change.