# VERTEX

## MUFFLE FURNACE



We furnish premium quality Muffle Furnace that are highly demanding. The Muffle Furnace of our showroom are manufactured from best quality materials that have immense strength and are durable.

## FEATURES:

- Sturdy Heavy Gauge Construction.
- Outer MS Powder Coated.
- Inner Heat resistive grooved muffle.
- Accurate & Precise Electronic Controller with Digital Display.
- Light Weight.
- Maximum Temperature attains within 45 minutes.

## OPTIONAL:

- Full MOC SS 304 OR SS 316
- Micro Processor auto tuning PID Controller with dual LED display to observe Performance Value VS
- Set Value
- Soak Timer

## APPLICATION:

The equipment is ideal to use for high degree heating for annealing, moisture testing, Ash treatment, etc. for Scientific Studies in Chemical, & Industrial Laboratories.

## SPECIFICATIONS:

| Model | | MF - 01 | MF - 02 | MF - 03 | MF - 04 |
|---|---|---|---|---|---|
| Size / CM H x W x D | Internal | 23 x 10 x 10 | 25 x 13 x 13 | 30 x 15 x 15 | 45 x 23 x 23 |
| | External | 56 x 40 x 61 | 61 x 42 x 67 | 66 x 49 x 72 | 82 x 56 x 87 |
| | Weight | Kg | Kg | Kg | Kg |
| Muffle Type | | Wire wound Refractory Muffle supported with Cold face Refractory Bricks with Cement bounding. | | | |
| Thermal Insulation | | Ceramic Blanket over the Muffle with Heavy Mineral wool to fill the entire Gap between the Muffle & External Housing | | | |
| TEMPERATURE | Range | 50° C Above ambient to 1150° C Minimized with the Fuzzy logic | | | |
| | Accuracy | ± 2% FSD With Digital Controller / ± 1% FSD With Microprocessor P.I.D. Controller | | | |
| | Over shooting Safety | Minimized with the Fuzzy logic | | | |
| | Controller | Digital controller / Microprocessor dual display P.I.D. controller with auto tuning Optional | | | |
| | Display | 4-digit LED with Digital / 4-digit Dual display with Microprocessor controller | | | |
| | Sensor Heaters | Cr. / Al. Thermocouple | | | |
| | Heater Capacity | 1.6 kw | 2.0 kw | 2.5 kw | 5.5 kw |
| Fuse | | Canthal Fuse | | | |
| Electrical Requirement | | 230 volts 50 Hz AC single Phase power supply | | | |
| Optional Accessories | | • Soak Timer<br>• Electronic Fuse with option of restart push button to minimize the down time of Canthal fuse replacement | | | |
| Packing Details | Size / CM H x W x D | 90 x 61 x 56 | 102 x 69 x 66 | 117 x 69 x 66 | 145 x 84 x 76 |
| | Shipping Weight | 75 kg | 85 kg | 100 kg | 150 kg |

https://www.vertexmachines.com/ +91 93234 05785 info@vertexmachines.com

Actual product may differ in color and appearance due to constant development.