



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

Applications

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

VERTEX ENGINEERS & ASSOCIATES

R.H. 116, SECTOR 2B, NEAR DATTA MEGHE ENGINEERING COLLEGE, AIROLI, NAVI MUMBAI 400 708

Tel. No. 022 27791675 / 65169832. Email : info@vertexamachines.com, Visit us at - www.vertexamachines.com



MUFFLE FURNACE

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 | | | |
| T E M P E R A T U R E | Range | 50o C Above ambient to 1150o C Minimised with the Fuzzy logic | | | |
| | Accuracy | +- 2% FSD With Digital Controller / +- 1% FSD With Microprocessor P.I.D. Controller | | | |
| | Over shooting Safety | Minimised 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 | | Kanthal Fuse | | | |
| Electrical Requirement | | 230 volts 50 Hz AC single Phase power supply | | | |
| Optional Accessories | | <ul style="list-style-type: none"> • Soak Timer • Electronic Fuse with option of restart push button to minimise the down time of Kanthal 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 |

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