

# Data Sheet

## Model: VMF/ASTM

1000 °C Maximum Temperature



### INTRODUCTION

The VMF/ASTM is a bench mounted furnace specially designed for determination of volatile matter in coal and coke samples as per ASTM D3175.

### SPECIFICATIONS

**Maximum Temperature:** 1000 °C

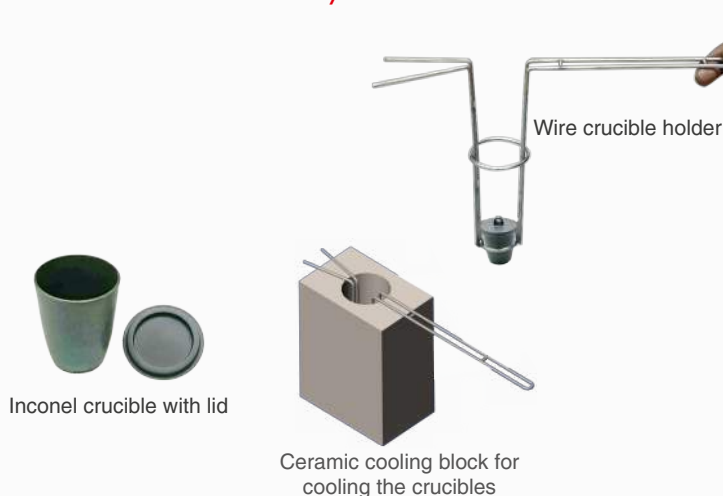
**Maximum Continuous Temperature:** 1000 °C

- | Top opening furnace as per ASTM D3175.
- | RCD (Residual Current Device) is fitted to provide enhanced operator safety.
- | Uses Vacuum formed heating elements, Ensuring superior thermal efficiency and uniform heat distribution throughout the chamber
- | Energy efficient, high quality, low thermal mass insulation.
- | A rugged metal sheathed control thermocouple is protected from accidental damage and allows full use of work tube bore.
- | Temperature Sensor: 'N' Type thermocouple.
- | High end Microprocessor PID temperature controller to maintain the required temperature as per ASTM D3175.
- | Wire Crucible holder along with Inconel crucible & lid are supplied as standard.
- | Faster ramp rate, less than 20 minutes from Room temperature to 950 °C
- | **External Dimensions (mm):** H x W x D\*  
375(without furnace lid) x 480 x 357mm

\* Excludes cable entry gland and optional flowmeter control knob



### VMF/ASTM



- | Heated Zone Height: 140mm
- | Working Internal Diameter: 50mm
- | Power Supply: 230V– Single Phase – 50Hz
- | Power Rating: 950 Watts.

### OPTIONAL FEATURES

- | N<sub>2</sub> gas port with a flow meter.
- | Over temperature protection controller.
- | Ceramic Cooling block for cooling the crucibles.

## SYLAB SCIENTIFIC PVT. LTD.

Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,  
Phone: +91 40 67216376 E-mail: [sylab@sylabscientific.com](mailto:sylab@sylabscientific.com) Website: [www.sylabscientific.com](http://www.sylabscientific.com)