

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

(N₂ gas port with flow meter option)



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

OPTIONAL FEATURES

- | N₂ gas port with a flow meter.
- | Over temperature protection controller.
- | Ceramic Cooling block for cooling the crucibles.

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