

# Data Sheet

Model: VMF/ISO

Volatile Matter Furnace



## INTRODUCTION

The VMF/ISO is engineered for volatile matter analysis in compliance with ISO 562 and EN ISO 22167 standards. It features precise temperature control and quick response times, ensuring both accuracy and efficiency in determining the volatile matter content in coal, coke & solid recovered fuels (SRF).

## SPECIFICATIONS

**Maximum Temperature:** 1100°C

**Maximum Continuous Temperature:** 1050°C

| Chamber dimensions (mm): 110 x 200 x 254 (H x W x D)

| Open spiral elements located in the chamber roof and under the hearth supported in low thermal mass insulation ensure rapid heating required for analysis as per ISO 562 and EN ISO 22167

| The chimney has a provision to restrict airflow/convection through the furnace

| Provision for inserting external thermocouples (Three positions) to check the temperature under the crucibles is provided

| Protection of the elements from carbon build-up or corrosive atmosphere, inherent in the slab design makes it ideal for volatile matter analysis

| Vertical lifting door keeps the hot face away from the operator when the door is opened

| Positive break door safety switch isolates heating elements from power supply when door is opened

| High-end micro-processor PID controller



VMF/ISO

| **External Dimensions (mm):** 727 x 582 x 645 (H x W x D)  
(Indicative)

| Supply / Power: 230V– 1 Phase – 3000 Watts.

## OPTIONS

| Over temperature protection controller

| Multi segment, multi program storage controllers with audible alarm & timer

| 4 ,6 & 9 crucible racks with loading handle

| Crucibles and lids as per ISO 562 and EN ISO 22167

| Calibrated thermocouple probe with digital indicator

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