CARBOLITE®
a VERDER company



VOLATILE MATTER FURNACE

VMF

carbolite.com/products/coal-coke-test-equipment/vmf-volatile-matter-furnaces/

VMF

VOLATILE MATTER FURNACE

The VMF is specifically designed for testing the volatile matter of coal.

TWO FURNACE CONFIGURATIONS

VMF / ASTM: for testing to ASTM D3175-11, complete with crucible, lid and holder.

VMF 10/6: front-loading furnace with a soft-closing, vertical lift door and calibration ports to position an unsheathed thermocouple below each crucible.



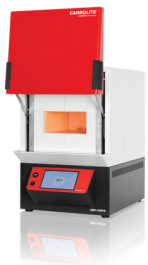
VMF

STANDARD FEATURES

- VMF / ASTM for testing to ASTM D3175-11
- VMF / ASTM complete with crucible, lid and holder
- VMF 10/6 soft closing, vertical lift door
- VMF 10/6 calibration ports to enable unsheathed thermocouple to be positioned below each crucible



VMF 10/6, closed



VMF 10/6, open

VMF

OPTIONS

Specify these at time of order.

- Accessory crucibles and lids available
- 4 crucible rack with loading handle (for VMF 10/6)
- Over temperature protection
- Digital communications or nanodac paperless chart recorder to provide documentary evidence of the test procedure (for VMF 10/6)
- Optional calibrated thermocouple probe with digital indicator (for VMF 10/6)

VMF

CRUCIBLES & HOLDERS



Optional 4 crucible stand + 4 crucibles with lids (VMF 10/6)



Optional crucible with lid (VMF 10/6)



Corrosion and oxidisation resistant inconel crucible & lid (VMF/ASTM) – supplied with the furnace



WIRE CRUCIBLE HOLDER

Standard wire crucible holder shown with crucible & lid (VFM/ASTM) – supplied with the furnace.

VMF

TECHNICAL DATA

VMF 10/6

Max temp (°C)	1000
Maximum continuous operating temp (°C)	950
Type	Front loading
Heat-up time (mins)	20 to 900°C
Dimensions: Internal H × W × D (mm)	100 × 210 × 260
Dimensions: External H × W × D (mm)	670 × 435 × 608
Max power (W)	3000
Thermocouple type	K
Weight (kg)	47
Power supply	220 – 240V, 50–60Hz, single phase, 13A

VMF/ASTM

Max temp (°C)	1000
Maximum continuous operating temp (°C)	1000
Type	Top loading
Heat-up time (mins)	Not specified
Dimensions: Internal (mm)	50 × 100
Dimensions: External H × W × D (mm)	330 × 410 × 300
Max power (W)	950
Thermocouple type	N
Weight (kg)	9
Power supply	220 – 240V, 50 – 60Hz, single phase and neutral supply with protective earth (ground) connection, 4A

VMF

DOWNLOADS

PRODUCT DATA SHEET VMF → carbolite.com/files/450769/product-data-sheet-vmf.pdf

COAL, COKE & IRON ORE TESTING FURNACES → carbolite.com/files/17033/coal-coke-iron-ore-testing-furnaces.pdf

VMF

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