Minimum Free Space Oven - MFS

General Information

The MFS Minimum Free Space Oven is used for the drying of coal and coke, for the test methods BS ISO 687:2010 "Solid mineral fuels - Coke - Determination of moisture" and BS ISO 11722:2013 "Solid mineral fuels - Hard coal - Determination of moisture".

An optional desiccator is available for use with the MFS oven, enabling samples to be maintained under a dry nitrogen atmosphere.

Standard features

- For the determination of moisture in coal and coke by drying in a nitrogen atmosphere
- Heated by resistance wire elements embedded in a refractory ceramic slab
- Corrosion resistant aluminium chamber with good temperature uniformity
- Side hinged door with gas tight seal & easy one handed operation
- Flow-meters to monitor gas flow & chamber seal integrity

Options (specify these at time of order)

- Welded steel desiccator with a quick release door & gas inlet & outlet
- An MFS is also available configured for ASTM 3173-03
- Models available for alternative mains supply voltages

Technical Specifications

MFS/1	
Max temp (°C)	210
Temp stability (°C)	±0.5
Temp uniformity (°C)	±5.0 @ 210°C
Dimensions: Internal H x W x D (mm)	25* x 195 x 290 (* reduced to 22mm below the thermocouple)
Dimensions: External H x W x D (mm)	185 x 490 x 450
Volume (litres)	1.4

Please note:
- Uniformity is measured in an empty chamber with vents closed, after a stabilisation period