



SWELLING NUMBER INDEX FURNACE

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SWELLING NUMBER INDEX FURNACE

The SNF furnace is designed to test the swelling index number of coal in accordance with the following standard test methods:

- | BS ISO 501:2012 Hard coal. Determination of the crucible swelling number
- | ASTM D720 / D720M – 15 Standard Test Method for Free-Swelling Index of Coal

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STANDARD FEATURES

- | For testing the free swelling index number of coal
- | Also known as the crucible swelling number
- | For testing to BS ISO 501:2012 and ASTM D720/D720M-15
- | 30mA (RCD) residual current circuit breaker, protects the operator (because the test requires operation with the door open during heating)
- | Accurate temperature control from the 132 (PID) controller
- | Supplied with wire crucible holder

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OPTIONS

Specify these at time of order.

- | A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications – more information
- | Accessory crucibles and lids available
- | Spare parts available separately or in a kit comprising: thermocouple, thermocouple sheath, heating element, solid state relay (SSR) and door insulation piece

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TECHNICAL DATA

Max temp (°C)	900
Maximum continuous operating temp (°C)	850
External crucible height (mm)	26
External crucible diameter (mm)	41
Internal crucible diameter at the base (mm)	11
Dimensions: External H x W x D (mm)	330 x 410 x 300
Thermocouple type	K
Max power (W)	800
Power supply	220V - 240V, 50-60Hz, single phase and neutral, with protective earth (ground) connection
Weight (kg)	26

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DOWNLOADS

[COAL, COKE & IRON ORE TESTING FURNACES →](#)

[PRODUCT DATA SHEET SNF →](#)

[SNF WITH NO CONTROLS SECTION →](#)

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