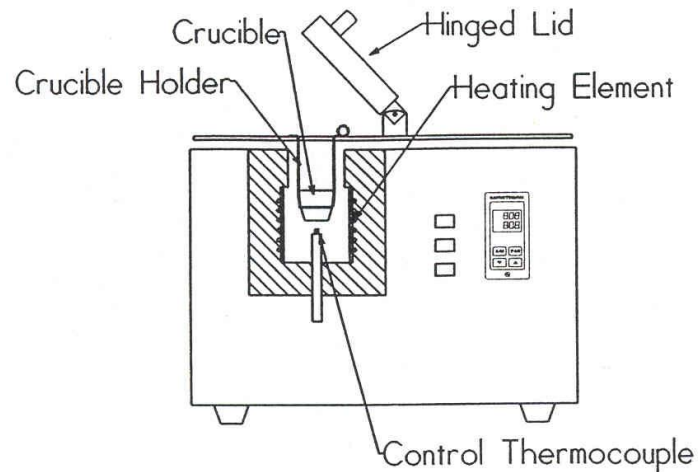


SNF : Swelling Number Furnace

For tests in accordance with BS1016 : 107, ISO 501 and ASTM D720



Specification

Maximum temperature	900°C
Heating element	Ytria stabilised iron chrome aluminium alloy resistance wire wound around an SiO ₂ tube.
Temperature sensor	NiCr/NiAl thermocouple Type K.
Crucible information	Capacity : 17ml External height : 26mm External diameter at top : 41mm Internal diameter at base : 11mm Crucible and lid available at extra cost
Crucible holder	Supplied with wire type crucible holder
Door switch	The nature of the test requires the heating element to remain on when the furnace lid is open, so no door switch is fitted. As a safety measure, a 30mA residual current circuit breaker is built into the furnace.
Controls	The furnace is offered with a choice of different PID digital temperature controllers.



Over temperature protection	Available as an optional extra. Using an independent thermocouple, a Eurotherm controller operates a contactor to shut down the furnace until manually reset.
Power control	Encapsulated solid-state relay with zero voltage switching control and over voltage spike protection.
Diagnostics	The control circuit includes mains on indication, instrumentation on/off switch and a 'heater on' light, in parallel with the heating elements, and showing the output of the solid-state relay. The temperature controller gives several helpful status signals and in the event of thermocouple failure, will shut down the furnace.
Power rating	800W
Supply required	220 – 240V, 50-60Hz, single phase and neutral supply, with protective earth (ground connection). The supply must be capable of supplying a current of 4 amps. Other voltages are available on request.
External dimensions	330mm (h) x 410 (w) x 300 (d)
Net weight	26kg
Optional extras	Crucibles with lids, additional crucible holder and separate temperature indicator.
Spare parts kit	Spare parts are available separately or in a kit comprising: thermocouple, sheath, heating element, solid-state relay and door (lid) insulation piece.



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.