

High Temperature Laboratory Furnace - RHF

General Information

The RHF range of silicon carbide heated high temperature chamber furnaces comprises four chamber sizes, each available with three maximum operating temperatures of 1400 °C, 1500 °C and 1600 °C.

Robust construction and high quality elements provide rapid heating rates (typically reaching 1400 °C in under 40 minutes) and a long reliable working life.

Standard features

- 1400°C, 1500°C or 1600°C maximum operating temperature
- Carbolite Gero 301 controller, with single ramp to set-point & process timer
- 3, 8, 15 or 35 litre chamber volumes
- Vertical lift door keeps heated surface away from the user
- Soft closing door (3 & 8 litre models only)
- Silicon carbide heating elements provide long life and are able to withstand the stresses of intermittent operation
- RHF 3 & 8 litre have a cast alumina hearth; RHF 15 & 35 have silicon carbide hearth
- low thermal mass insulation for high energy efficiency



Options (specify these at time of order)

- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications

Technical Specifications

RHF 14/3

Max temp (°C)	1400
Volume (litres)	3
Heat-up time (mins)	33
Dimensions: Internal H x W x D (mm)	120 x 120 x 205
Dimensions: External H x W x D (mm) H (door open)	655 x 435 x 610 (905)
Configuration	Bench-top
Max power (W)	4500
Holding power (W)	1900
Thermocouple type	R
Weight (kg)	42
Power supply required per phase	Single phase 200-240V 30A, 380-415V 2 phase 15A