

Furnaces, RHF models

CARBOLITE

The RHF range of furnaces are capable of maximum temperatures of 1400°C, 1500°C or 1600°C with chamber capacities of 3, 8 or 15 litres, ideal for heat treatment applications, often associated with technical ceramics.

This range of higher temperature laboratory furnaces feature silicon carbide heating elements located on either side of the chamber and hard wearing refractory brick around the door and hearth, which provides rapid heating and good resistance to abrasion. Safe operation is ensured by a double skin construction providing natural air convection for low outer case temperatures. Power to the elements is isolated as soon as the door is opened.

Prices include the PID digital controller (type 301). Multi-segment programmers are available as an option.

Technical Specifications

Volume	3 litre	8 litre	15 litre
Dimensions, WxDxH (mm)			
Internal:	120 x 200 x 120	170 x 270 x 170	220 x 305 x 220
External:	435 x 610 x 655	505 x 675 x 705	690 x 780 x 810
Maximum power	4500W	8000W	10000W
Weight	53 kg	88 kg	151 kg
Heat up time to 100°C below max temp, with empty chamber			
1400°C model:	33 minutes	22 minutes	35 minutes
1500°C model:	45 minutes	40 minutes	45 minutes
1600°C model:	55 minutes	60 minutes	58 minutes

Cat. No.	Code	Description
FU/35302	RHF1403-VOLTS	3 litre 1400°C RHF furnace
FU/35304	RHF1408-VOLTS	8 litre 1400°C RHF furnace
FU/35306	RHF1415-400TN	15 litre 1400°C RHF furnace
FU/35308	RHF1503-VOLTS	3 litre 1500°C RHF furnace
FU/35310	RHF1508-400TN	8 litre 1500°C RHF furnace
FU/35312	RHF1515-400TN	15 litre 1500°C RHF furnace
FU/35314	RHF1603-VOLTS	3 litre 1600°C RHF furnace
FU/35316	RHF1608-400TN	8 litre 1600°C RHF furnace
FU/35318	RHF1615-400TN	15 litre 1600°C RHF furnace



FU/35308

Furnaces, tube

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With a maximum operating temperature of 1200°C, tube furnaces can accept worktubes with a diameter from 19.5 – 150mm. The range includes seven heated lengths from 300mm to 1200mm in both horizontal and vertical versions, with either single-zone or threezone control.

Heat symmetrically surrounds a sample in a tube furnace and it therefore is heated very uniformly, which can be advantageous. An additional work tube can be fitted which, when fitted with special seals, can be used to contain a non-oxidising gas atmosphere, such as an inert gas or vacuum.

The horizontal versions are mounted on a base unit, whilst there are vertical models which are supplied with a separate control box. Three-zone and split tube versions are also available.

Please enquire for more specific details of the tube furnace range.



CTF/1200