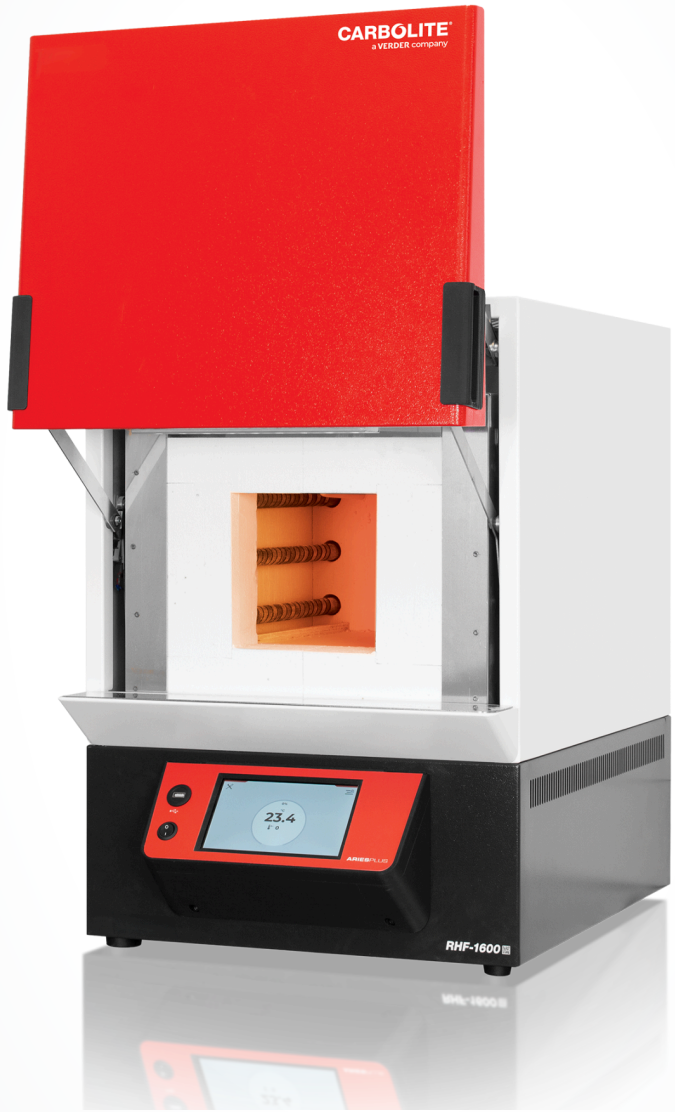
CARBOLITE®
a VERDER company



HIGH TEMPERATURE LABORATORY FURNACE

RHF

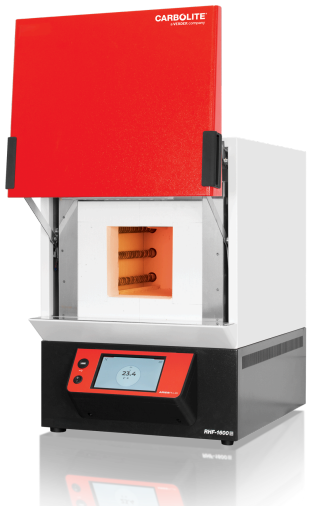
www.carbolite.com/products/chamber-furnaces/laboratory-furnaces/rhf-high-temperature-chamber-furnace/

RHF

HIGH TEMPERATURE LABORATORY FURNACE

The RWF rapid wire chamber furnaces are available in three chamber sizes with maximum operating temperatures of 1100 °C or 1200 °C.

The free radiating wire elements in combination with low thermal mass insulation are designed to provide rapid thermal response within the chamber.



RHF

STANDARD FEATURES

- 1400°C, 1500°C or 1600°C maximum operating temperature
- Programmable EPC3016P1 controller
- 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) protects the thermal insulation
- 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

RHF

OPTIONS

Specify these at time of order.

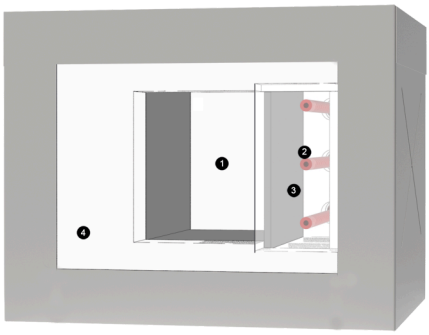
- A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available — more information about controllers
- Over-temperature protection (recommended to protect valuable contents & for unattended operation)
- Heating element protection tiles

RHF

TECHNICAL DETAILS

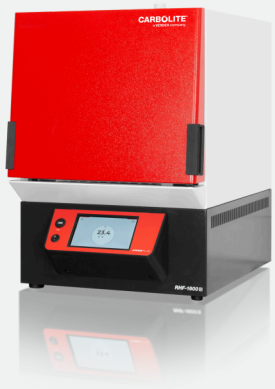
RHF CHAMBER WITH SIC PROTECTION TILES

1 | Working chamber
2 | Heating Elements
3 | SiC protection tiles
4 | Thermal insulation

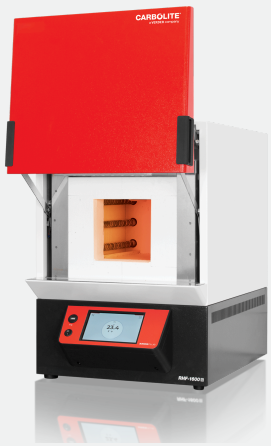


RHF

EXAMPLES



RHF 16/8



RHF 16/8

RHF

TECHNICAL DATA

Dimensions are H × W × D in mm. External dimensions include H with door open in parentheses. Power supply figures are per phase.

1400°C MODELS

Specification	RHF 14/3	RHF 14/8	RHF 14/15	RHF 14/35
Max temp (°C)	1400	1400	1400	1400
Heat-up time (mins)	33	22	35	38
Internal H × W × D (mm)	120 × 120 × 205	170 × 170 × 270	220 × 220 × 310	250 × 300 × 465
External H × W × D (mm); H door open	670 × 435 × 608 (915)	715 × 505 × 680 (1000)	810 × 690 × 780 (1105)	885 × 780 × 945 (1245)
Configuration	Bench-top	Bench-top	Bench-top	Bench-top
Volume (litres)	3	8	15	35
Max power (W)	4500	8000	10000	16000
Holding power (W)	1900	3200	2900	6000
Thermocouple type	R	R	R	R
Weight (kg)	42	64	125	179
Power supply required per phase	Single phase 200-240V 30A, 380-415V 2 phase 15A	Single phase 200-240V 50A, 380-415V 2 phase + N 25A	380-415V 3 phase + N 22A, 200-220V 3 phase delta 38A	380-415 3 phase + N 35A, 200-220V 3 phase delta 60A, 440-480V 3 phase no N 35A

1500°C MODELS

Specification	RHF 15/3	RHF 15/8	RHF 15/15	RHF 15/35
Max temp (°C)	1500	1500	1500	1500
Heat-up time (mins)	45	40	46	46
Internal H × W × D (mm)	120 × 120 × 205	170 × 170 × 270	220 × 220 × 310	250 × 300 × 465
External H × W × D (mm); H door open	670 × 435 × 608 (1000)	715 × 505 × 680 (1000)	810 × 690 × 780 (1105)	885 × 780 × 945 (1245)
Configuration	Bench-top	Bench-top	Bench-top	Bench-top
Volume (litres)	3	8	15	35
Max power (W)	4500	8000	10000	16000
Holding power (W)	2000	3500	3000	6200
Thermocouple type	R	R	R	R
Weight (kg)	46	61	125	178
Power supply required per phase	220-240V single phase 36A, 380-415V, 2 phasse + N, 18A	200-220 3 phase delta 30A, 200-208V 3 phase + delta 38A, 380-415V 3 phase delta 17.5A	380-415V 3 phase + N 25A, 230-240V 3 phase delta 43A,	380 - 415 3 phase + N 35A, 440-480V 3 phase no N 60A, 380-415V 3 phase no N 35A, 440-480 3 phase + N 35A

RHF

TECHNICAL DATA

1600°C MODELS

Specification	RHF 16/3	RHF 16/8	RHF 16/15
Max temp (°C)	1600	1600	1600
Heat-up time (mins)	42	35	58
Internal H × W × D (mm)	120 × 120 × 205	170 × 170 × 270	220 × 220 × 310
External H × W × D (mm); H door open	655 × 435 × 610 (905)	705 × 505 × 675 (990)	810 × 690 × 780 (1105)
Configuration	Bench-top	Bench-top	Bench-top
Volume (litres)	3	8	15
Max power (W)	4500	8000	10000
Holding power (W)	2300	4000	3500
Thermocouple type	R	R	R
Weight (kg)	42	61	140
Power supply required per phase	200-240V single phase 36A, 380-415V 2 phase + N 18A, 200-240V 3 phase delta 30A	380-415V 3 phase + N 18A, 220-240V 3 phase delta 29A, 200-208V 3 phase delta 34A, 380-415V 3 phase no N 18A, 440-480V 3 phase no N 18A	380-415V 3 phase + N 25A, 200-240V 3 phase delta 42A, 440-480V 3 phase + N 25A

RHF

PRODUCT INFORMATION

PRODUCT DATA SHEET →

www.carbolite.com/files/450701/product-data-sheet-rhf.pdf

CONTROL OPTIONS →

www.carbolite.com/products/control-options/

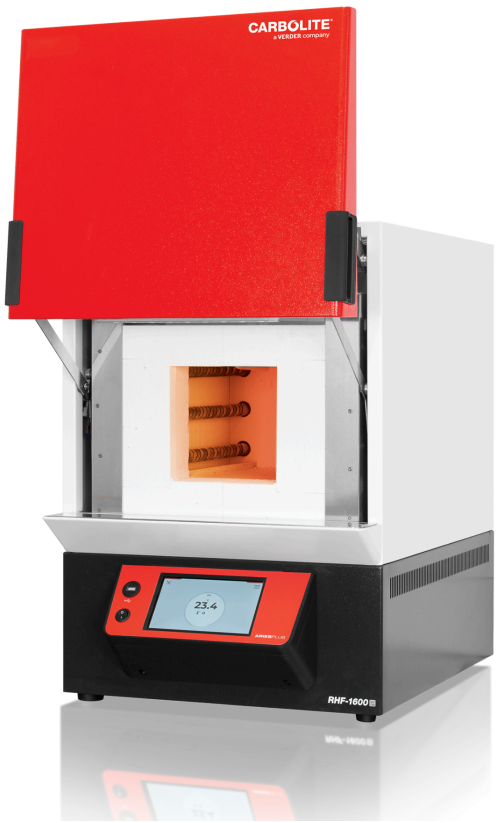
RHF

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