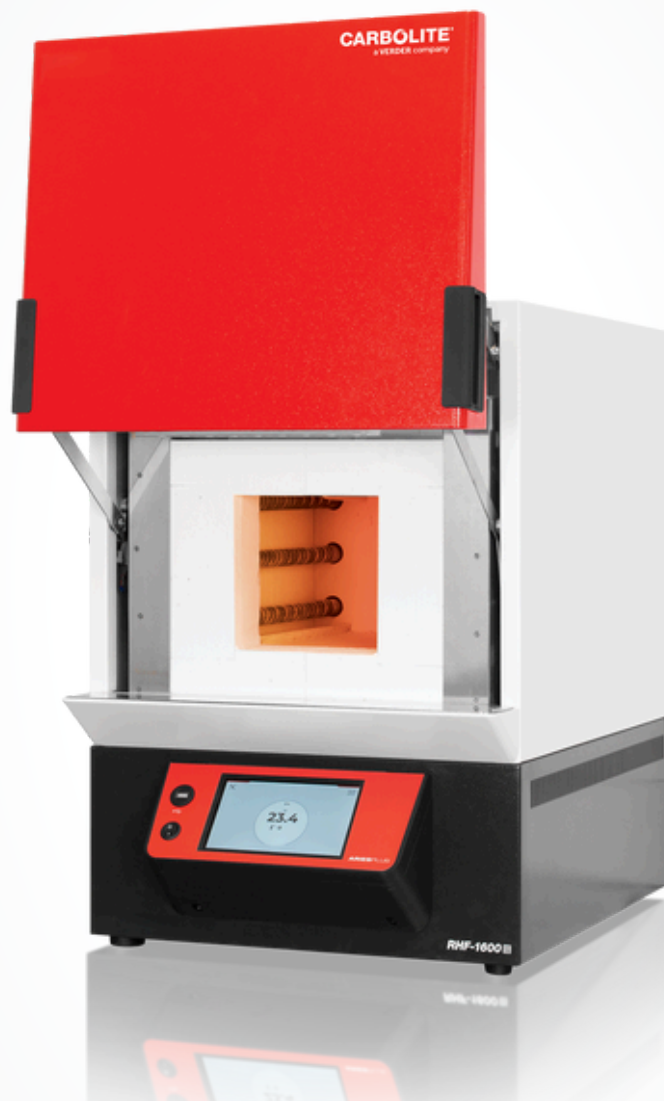




HIGH TEMPERATURE LABORATORY FURNACE

RHF

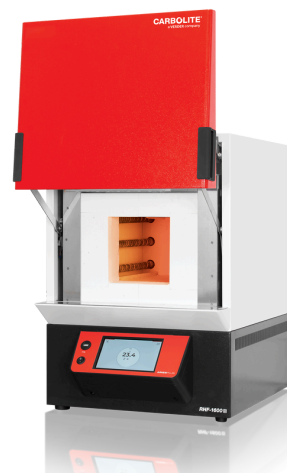
carbolite.com/products/chamber-furnaces/laboratory-furnaces/rhf-high-temperature-chamber-furnace/

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.

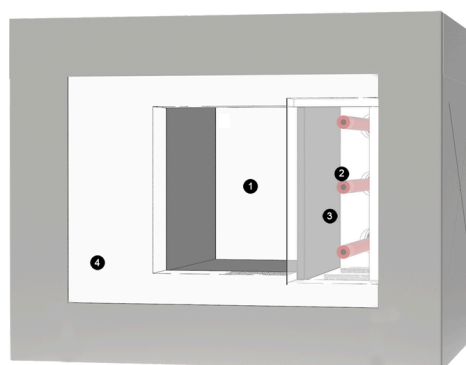
- | A range of sophisticated digital controllers, multisegment programmers and data loggers with digital communication options is available — more information about controllers: carbolite.com/products/control-options/
- | Over-temperature protection (recommended to protect valuable contents & for unattended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

RHF

TECHNICAL DETAILS

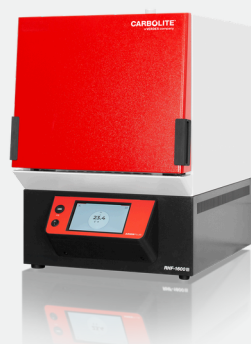
RHF CHAMBER WITH SiC PROTECTION TILES

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



RHF

EXAMPLES



RHF 16/8



RHF 16/8

RHF

TECHNICAL DATA • 1400°C

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
Dimensions: Internal H x W x D (mm)	120 x 120 x 205	170 x 170 x 270	220 x 220 x 310	250 x 300 x 465
Dimensions: External H x W x D (mm) H (door open)	670 x 435 x 608 (915)	715 x 505 x 680 (1000)	810 x 690 x 780 (1105)	885 x 780 x 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

RHF

TECHNICAL DATA • 1500°C

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
Dimensions: Internal H x W x D (mm)	120 x 120 x 205	170 x 170 x 270	220 x 220 x 310	250 x 300 x 465
Dimensions: External H x W x D (mm) H (door open)	670 x 435 x 608 (1000)	715 x 505 x 680 (1000)	810 x 690 x 780 (1105)	885 x 780 x 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

Specification	RHF 16/3	RHF 16/8	RHF 16/15
Max temp (°C)	1600	1600	1600
Heat-up time (mins)	42	35	58
Dimensions: Internal H x W x D (mm)	120 x 120 x 205	170 x 170 x 270	220 x 220 x 310
Dimensions: External H x W x D (mm) H (door open)	655 x 435 x 610 (905)	705 x 505 x 675 (990)	810 x 690 x 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 • HIGH TEMPERATURE LABORATORY FURNACE

CONTACT US →

[carbolite.com/contact-services/contact-form/?
prefilltext=contact_form.request&product=C-3-
UCF-A](https://carbolite.com/contact-services/contact-form/?prefilltext=contact_form.request&product=C-3-UCF-A)

REQUEST A QUOTE →

[carbolite.com/contact-services/contact-form/?
prefilltext=contact_form.quote_request&product=C
-3-UCF-A](https://carbolite.com/contact-services/contact-form/?prefilltext=contact_form.quote_request&product=C-3-UCF-A)



CARBOLITE[®]
a **VERDER** company

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

© Carbolite Gero – carbolite.com / Content may be subject to modifications or corrections