

# chamber furnaces



1400°C, 1500°C and 1600°C

## Silicon Carbide Heated Furnaces

This comprehensive range is available at 1400, 1500 and 1600°C with four popular capacities of 2.9, 7.8, 15 and 35 litres. Powerful silicon carbide heating elements provide fast heat up rates, typically 40 minutes to 1400°C depending on the model.

Silicon carbide heating elements are ideally suited to the rigorous firing cycles often required in laboratory furnaces. These elements withstand the stresses of intermittent operation and give long life at elevated temperatures. Furnaces using these elements are designed with excess power to ensure that ageing is easily corrected and heating performance is maintained. The average life of the elements may be several years, depending on operating temperatures and conditions.

Two types of insulation are used: Hard wearing refractory brick around the doorway and in the floor to give resistance to abrasion and spillage. Lightweight ceramic fibre is used in all other areas to ensure energy efficiency and fast heating/cooling.

RHF 16/3/3508P1

Model	RHF 14/3	RHF 14/8	RHF 14/15	RHF 14/35	RHF 15/3	RHF 15/8	RHF 15/15	RHF 15/35	RHF 16/3	RHF 16/8	RHF 16/35	RHF 16/35
Max. Temperature (°C)	1400	1400	1400	1400	1500	1500	1500	1500	1600	1600	1600	1600
Temperature (°C)	1300	1300	1300	1300	1400	1400	1400	1400	1500	1500	1500	1500
Internal Volume (l)	2.9	7.8	15	35	2.9	7.8	15	35	2.9	7.8	15	35
Chamber Dimensions:												
H (mm)	120	170	220	250	120	170	220	250	120	170	220	250
W (mm)	120	170	220	300	120	170	220	300	120	170	220	300
D (mm)	205	270	310	465	205	270	310	465	205	270	310	465
External Dimensions:												
H (mm)	655	705	810	885	655	705	810	885	655	705	810	855
W (mm)	435	505	690	780	435	505	690	780	435	505	690	780
D (mm)	610	675	780	945	610	675	780	945	610	675	780	945
Heat up time (min)	33	22	35	38	45	40	45	46	42	35	58	56
Max. Power (W)	4500	8000	10000	16000	4500	8000	10000	16000	4500	8000	10000	16000
Holding Power (W)	1900	3200	2900	6000	2000	3500	3000	6200	2300	4000	3500	1100
Weight (kg)	42	64	125	179	46	61	125	178	42	61	140	179

- 1) Holding power is measured at 100°C below max. temperature, based on 240V supply, with an empty chamber.
- 2) Uniformity graphs are available on request, for most models.
- 3) All external dimensions are taken with the door closed and include a chimney.
- 4) Heat up time is measured at 100°C below max. temperature with an empty chamber.



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.