

High Temperature Chamber Furnaces

The 1700°C models are available in three chamber sizes and the 1800°C models in four chamber sizes.

These furnaces are heated by molybdenum disilicide elements – the elements are either on the sides, or sides and rear of the chamber, depending on the model. The elements provide improved performance and temperature uniformity within the chamber and are suitable for intermittent or continuous operation.

Advanced high temperature hot face insulation is combined with graded low thermal mass insulation to improve energy efficiency and heat up rates; the 1700°C 10 litre model reaches 1600°C in only 44 minutes, whilst the 1800°C 8 litre model reaches 1700°C in only 56 minutes.

A low outer case temperature is achieved through fan cooling.

Fitted with 3216P1 programmer and overtemperature protection as standard.

RS 232 digital communication is provided as standard on models HTF 17/5, HTF 17/10, HTF 18/4 and HTF 18/8.



HTF 17/10/3216P1

Model	HTF 17/5	HTF 17/10	RHF 17/25
Max. Temperature (°C)	1700	1700	1700
Continuous Temperature (°C)	1600	1600	1600
Chamber Dimensions:			
H (mm)	158	232	300
W (mm)	150	200	300
D (mm)	225	225	300
External Dimensions:			
H (mm)	565	565	1800
W (mm)	830	830	1100
D (mm)	650	650	680
Internal Volume (l)	5.3	10.4	25
Heat up Time to (mins)	50	44	45
Max. Power (W)	4190	5920	9600
Thermocouple Type	B	B	B



HTF 18/27/3216P1

Model	HTF 18/4	HTF 18/8	HTF 18/15	HTF 18/27
Max. Temperature (°C)	1800	1800	11800	1800
Continuous Temperature (°C)	1700	1700	1700	1700
Chamber Dimensions:				
H (mm)	140	210	220	300
W (mm)	140	190	220	300
D (mm)	190	190	300	300
External Dimensions:				
H (mm)	565	565	1580	1610
W (mm)	830	830	690	780
D (mm)	650	650	800	945
Internal Volume (l)	3.7	7.6	15	27
Heat up Time (mins)	65	56	70	55
Max. Power (W)	4650	6200	9000	18000
Thermocouple type	20/40	20/40	20/40	20/40

- 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.