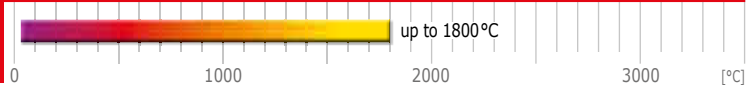


Laboratory Chamber Furnaces

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HTF – High Temperature Laboratory Chamber Furnaces



The HTF high temperature chamber furnace range comprises 1700°C and 1800°C models.

The two smaller models in each temperature are bench mounted and the larger units are floor-standing. These furnaces may be customised in order to satisfy specific customer requirements, eg the addition of catalytic afterburners for ceramic binder burn-off applications.

Standard features

- 1700°C & 1800°C maximum operating temperatures
- Programmable 3216P1 controller
- From 4 to 27 litre capacities
- High quality molybdenum disilicide heating elements
- Up & away parallel opening door keeps hot face away from user
- Advanced refractory interior, used in combination with energy efficient low thermal mass insulation
- Over-temperature protection
- Digital RS232 communications on the following models: HTF 17/5, HTF 17/10, HTF 18/4 & HTF 18/8
- Fan cooling for low external case temperature
- The HTF 17/25 & HTF 18/15 both have electric door actuation



HTF 18/27 & HTF 17/5

Options (specify these at time of order)

- A range of sophisticated digital controllers, multi-segment programmers and data loggers is available. These can be fitted with RS232, RS485 or Ethernet communications (see pages 94 – 97)
- RS232 & RS485 communications (HTF 17/25, HTF 18/15 & HTF 18/27)

Technical data

CGH	Max. temp. [°C]	Heat-up time [mins]	Dimensions: Internal H x W x D [mm]	Dimensions: External H x W x D [mm] H (door open)	Volume [litres]	Max. power [W]	Digital RS232 Comms	Thermocouple type	Weight [kg]
HTF 17/5	1700	50	158 x 150 x 225	565 x 830 x 650 (850) (Bench-top)	5	4050	Standard	B	109
HTF 17/10	1700	44	232 x 200 x 225	565 x 830 x 650 (850) (Bench-top)	10	5920	Standard	B	133
HTF 17/25	1700	45	300 x 275 x 300	1800 x 1100 x 680 (2600) (Floor-standing)	25	8200	Option	B	400
HTF 18/4	1800	65	140 x 140 x 190	565 x 830 x 650 (850) (Bench-top)	4	4650	Standard	Pt20 %Rh/Pt40 %Rh	115
HTF 18/8	1800	56	210 x 190 x 190	565 x 830 x 650 (850) (Bench-top)	8	6200	Standard	Pt20 %Rh/Pt40 %Rh	128
HTF 18/15	1800	70	220 x 220 x 300	1580 x 690 x 800 (1735) (Floor-standing)	15	7900	Option	Pt20 %Rh/Pt40 %Rh	310
HTF 18/27	1800	55	300 x 300 x 300	1610 x 780 x 945 (1935) (Floor-standing)	27	8180	Option	Pt20 %Rh/Pt40 %Rh	509

Please note:

- Maximum continuous operating temperature is 100°C below maximum temperature
- Heat up time is measured to 100°C below max, using an empty chamber

- Chemical reaction between the heating elements and zirconia may discolour the zirconia. Processing advice or alternative elements are available; please enquire.



Wolf Laboratories Limited

www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk



Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

