



## Electric Furnace Technology

## 1700, 1800°C furnaces

A complete collection of high quality chamber furnaces for high temperature laboratory & research applications

- Heating via molybdenum disilicide elements vertically mounted down each side of the chamber and providing excellent temperature uniformity throughout the work chamber.
- Door opens vertically to ensure the hot plug is always away from the operator at all times.
- Door safety switch turns off power to the elements whenever the door is opened.
- Choice of digital controller (See separate information).
- Single phase power source.
- High quality insulation incorporating a double skin case ensuring low outer surface temperatures.
- Powder coating finish.
- Over temperature protection via a digital alarm is fitted as standard.
- Typical uses: High Temperature Sintering, Ceramics Reserch.



Model		XF (1700°C)			XF (1800°C)		
		1	2	3	4	5	6
Chamber Size (m/m)	H	140	165	200	140	165	200
	W	135	160	200	135	160	200
	D	200	270	350	200	270	350
External Size (m/m)	H	800	800	800	860	860	910
	W	600	600	600	660	669	710
	D	650	650	650	710	710	810
Volume (Litres)		3.8	7.1	14	3.8	7.1	14
Maximum Temperature		1700°C			1800°C		
Maximum Continuous Working Temperature		1650°C			1750°C		
Temperature Sensor		Type 'B'			Pt 20% Rh / Pt 40% Rh		
Max Power Rating (kW)		5.5	7.0	9.0	6.0	8.0	11.5
Power Control		Solid State Relay					
Overtemperature Protection		Independent, Customer Programmable					
Insulation Materials		Graded Fibre Board					

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