



BLF 17/3/3508P1

BLF Series, 1700°C, 1800°C, Bottom Loading Furnaces

Rapid heating and cooling are achievable by raising and lowering the hearth, whilst the operator is protected from direct exposure to radiant heat from the chamber.

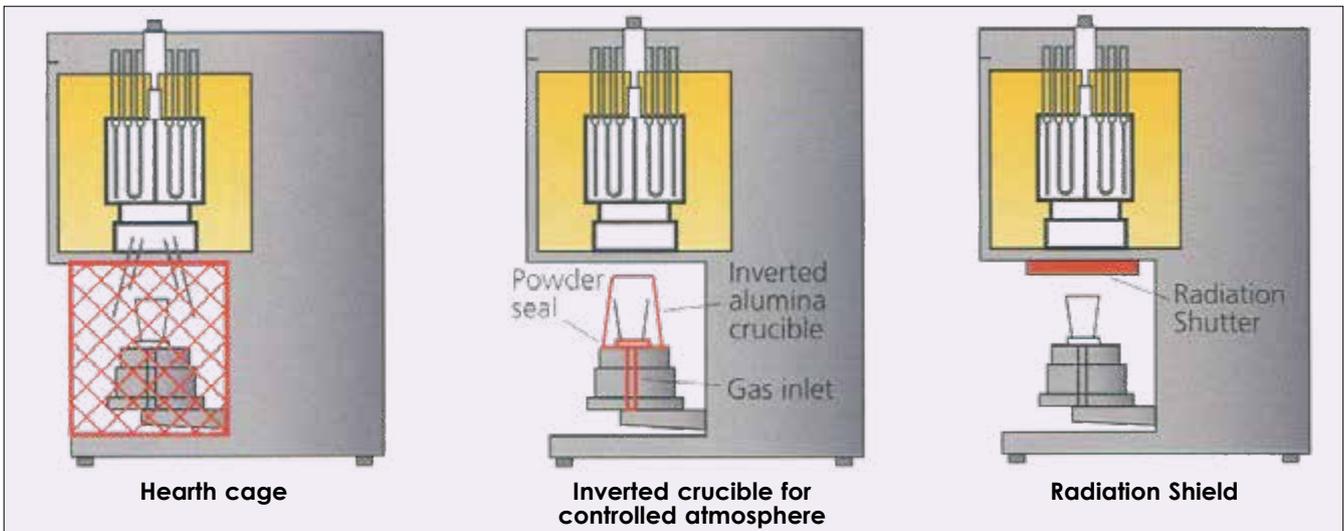
Standard Features:

- 1700°C or 1800°C maximum operating temperature.
- 3 to 21 Liter capacities
- Ideal for; sintering high performance ceramics, melting glass under high temperature, or working with modified atmospheres
- Extremely rapid heating & cooling cycles can be achieved through raising & lowering the hearth
- Electrically operated elevator hearth, protects operator from the chamber's radiant heat & gives easy loading of workpieces & crucibles
- Excellent temperature uniformity as a result of the round chamber
- Over temperature protection to protect load or furnace during unattended operation
- Programmable 3216P1 controller & separate over-temperature protection
- Molybdenum disilicide heating elements.

Options:

- Compatible crucibles
- Modified hearth for the introduction of gases
- Adaptation to introduce thermocouple or stirrer through the chamber top
- Rotating hearth option

- Radiation shutters
- Hearth cages
- RS232 & RS485 communications
- Fieldbus & Ethernet connectivity
- DAQ or graphical recorders.



Model	Max temp (°C)	Heat up time (mins)	Dimension		Vol. (Liters)	Max power (W)	Thermocouple type	Weight (kg)	Power supply
			Inside (mm)	Outside (mm)					
BLF 17/3	1700	80	190x150	H975xW750xD530 Bench mounted	3	4125	B	155	Single
BLF 17/8	1700	80	250x200	H1950xW1360xD800 Floor standing	8	8130	B	424	3 phase
BLF 17/21	1700	180	300x300	H1850xW1250xD900 Floor standing	21	12000	B	600	3 phase
BLF 18/3	1800	110	190x150	H975xW750xD530 Bench mounted	3	4775	2	155	Single phase
BLF 18/8	1800	110	250x200	H1950xW1360xD800 Floor standing	8	7010	2	424	3 phase
BLF 18/21	1800	220	300x300	H1850xW1250xD900 Floor standing	21	12000	2	600	3 phase

Continuous operating temp. is 100°C below maximum temp.