

Small Form Muffle Furnace (+1100°C)

LABEC Small Form Muffle Furnaces

are a light-weight, compact solution for laboratories where space is limited.

These universal furnaces are designed for material testing, heat treatment such as hardening, loosening, normalising, and ceramic and stoneware firing up to 1100°C.

These furnaces are constructed of powder-coated steel exteriors with a one-piece high thermal efficiency vacuum formed ceramic fibre chamber, with heating elements embedded within four sides. All models feature a lift up safety door with safety cut off when the door is opened during operation, and ceramic bottom plate. Microprocessor temperature control provides good stability and uniformity, and the low thermal mass construction ensures fast heating times and low power consumption.

Additional Options

To suit your requirements the addition of options such as a process observation window, additional hearth plate, buzzer, data recorder and RS232/RS485/USB interface are also available.



Serving the Scientific, Medical and Research industries since 1945

LABEC



Laboratory Equipment Pty Ltd

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SPECIFICATIONS

Small Form Muffle Furnace (+1100°C)

Model	SF-3-SD	SF-8-SD	SF-13-SD	SF-22-SD	SF-39-SD
Capacity (litres)	3	8.2	13	22	39
Int. Dim. (mm) WxDxH	125 x 200 x 115	200 x 300 x 133	225 x 360 x 180	275 x 500 x 155	315 x 515 x 225
Ext. Dim. (mm) WxDxH	340 x 470 x 430	440 x 560 x 510	500 x 700 x 550	600 x 890 x 610	648 x 899 x 739
Temp. Controller	Digital PID Controller				
Temp. Min.	+300°C				
Temp. Max	+1100°C				
Temp. Stability	±1°C				
Temp. Uniformity	±10°C				
Interior Material	Ceramic Fibre Muffle				
Exterior Material	Powder Coat Steel				
Options	Observation window (Ø35mm), Additional ceramic hearth plates, Buzzer, Data Recorder, RS232/RS-485/USB interface				
Safety Features	Over temperature protection cut off, earth leakage breaker (ELB).				
Power Supply	240v / 50Hz				415V Three Phase
Power (W)	1700W/10AMP	1800W/10AMPS	1800W/10AMPS	3000W/15AMPS	7200W 10AMPS/phase
Weight (kg)	18	28	38	58	74

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