

Thermo Scientific Thermolyne small benchtop muffle furnaces

Fast heatup and outstanding energy efficiency

Available in two capacities that reach a maximum temperature of 1100°C

- Digital single setpoint temperature control to 1100°C
- Dual display shows actual temperature and setpoint
- Ceramic fiber insulation designed to permit faster heatup, reducing energy consumption
- Embedded heating elements on top and both sides designed to improve temperature uniformity
- Drop-down door doubles as a shelf for loading and unloading

- Door safety switch stops power to heating elements when door is opened
- Thermocouple break protection cuts power to heating elements, preventing failure runaway condition
- 0.95cm (0.38 in.) diameter port in chamber rear for monitoring temperatures with independent measuring devices

Temperature controller options

- Control A1
- See page 6 for control details



Applications

- Heat treatment of small steel parts
- Conducting gravimetric analysis
- Determination of volatile and suspended solids

Cat. No.	Capacity	Temp. Range	Temp. Stability (Uniformity)	interior D x W x H	Exterior L x W x H	Electrical	Shipping Weight	Plug Type
FB1315M	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	120 V, 50/60 Hz 1060 W, 8.9 A	9 kg (20 Lb.)	
FB1318M	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	208 V, 50/60 Hz 1060 W, 5.1 A	9 kg (20 Lb.)	
FB1310M	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	240 V, 50/60 Hz 1060 W, 4.4 A	9 kg (20 Lb.)	
FB1314M	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	100 V, 50/60 Hz 1060 W, 10.6 A	9 kg (20 Lb.)	
FB1310M-33CN	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	240 V, 50/60 Hz 1060 W, 4.4 A	9 kg (20 Lb.)	10A
FB1310M-33CH	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	240 V, 50/60 Hz 1060 W, 4.4 A	9 kg (20 Lb.)	
FB1310M-33UK	1.3L (0.04 cu. ft.)	100° to 1100 °C	±0.3 °C at 1000 °C (±7.8 °C at 1000 °C)	13 x 10.3 x 9.8 cm (5 x 4 x 3.8 in)	33 x 23 x 36 cm (13 x 9 x 14 in)	240 V, 50/60 Hz 1060 W, 4.4 A	9 kg (20 Lb.)	
FB1415M	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	120 V, 50/60 Hz 1450 W, 12.0 A	12.7 kg (28 Lb.)	
FB1418M	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	208 V, 50/60 Hz 1520 W, 7.3 A	12.7 kg (28 Lb.)	
FB1410M	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	240 V, 50/60 Hz 1520 W, 6.3 A	12.7 kg (28 Lb.)	
FB1410M-33	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	240 V, 50/60 Hz 1520 W, 6.3 A	12.7 kg (28 Lb.)	
FB1410M-33CN	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	240 V, 50/60 Hz 1520 W, 6.3 A	12.7 kg (28 Lb.)	10A
FB1410M-33-CH	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	240 V, 50/60 Hz 1520 W, 6.3 A	12.7 kg (28 Lb.)	
FB1410M-33-UK	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	240 V, 50/60 Hz 1520 W, 6.3 A	12.7 kg (28 Lb.)	
FB1414M	2.1L (0.07 cu. ft.)	100° to 1100 °C	±0.5 °C at 1000 °C (±5.0 °C at 1000 °C)	15.2 x 12.7 x 10.8 cm (6 x 5 x 4.25 in)	40 x 25 x 37 cm (15.8 x 10 x 14.5 in)	100 V, 50/60 Hz 1450 W, 14.5 A	12.7 kg (28 Lb.)	

Hearth plates

Cat. No.	For Use With
PH44X1	FB1300 small muffle furnace
PH48X1	FB1400 small muffle furnace

Ordering Information: Replacement heating elements and thermocouples available separately

Includes: Thermocouple, line cord, and hearth plate to protect bottom of unit

Warranty*: 1 year (parts and labor)

Certifications: -33 units are CE marked, all other units are CSA approved