

Thermo Scientific Thermolyne Small Benchtop Muffle Furnaces

Fast heatup and excellent energy efficiency – ideal for ashing most types of organic and inorganic samples, heat treating small steel parts, performing ignition tests, conducting gravimetric analysis and for the determination of volatile and suspended solids



- Available in two capacities and reaches a maximum temperature of 1100°C
- Digital single setpoint temperature control to 1100°C
- Single display shows actual temperature or setpoint
- Ceramic fiber insulation permits faster heatup, reducing energy consumption
- Embedded heating element on top and both sides improves 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 (0.38in.) diameter port in chamber rear for monitoring temperatures with independent measuring devices

Ordering Information: Replacement heating elements and thermocouples available separately

Includes: Thermocouple, line cord, and 1 hearth tray

Warranty: 1 year (parts and labor)

Certifications: All units CSA approved, -33 units also CE marked

Cat. No.	Capacity	Temp. Range	Temp. Stability (Uniformity)	Interior D x W x H	Exterior L x W x H	Electrical	Shipping Weight
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 9.8cm (5 x 4 x 3.8in.)	33 x 23 x 36cm (13 x 9 x 14in.)	120V 50/60Hz 1060w	9kg (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 9.8cm (5 x 4 x 3.8in.)	33 x 23 x 36cm (13 x 9 x 14in.)	208V 50/60Hz 1060w	9kg (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 9.8cm (5 x 4 x 3.8in.)	33 x 23 x 36cm (13 x 9 x 14in.)	240V 50/60Hz 1060w	9kg (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 9.8cm (5 x 4 x 3.8in.)	33 x 23 x 36cm (13 x 9 x 14in.)	100V 50/60Hz 1060w	9kg (20 lb.)
FB1310M-33	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 9.8cm (5 x 4 x 3.8in.)	33 x 23 x 36cm (13 x 9 x 14in.)	240V 50/60Hz 1060w	9kg (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 10.8cm (6 x 5 x 4.25in.)	40 x 25 x 37cm (15.8 x 10 x 14.5in.)	120V 50/60Hz 1450w	12.7kg (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 10.8cm (6 x 5 x 4.25in.)	40 x 25 x 37cm (15.8 x 10 x 14.5in.)	208V 50/60Hz 1520w	12.7kg (28 lb.)
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-33 units available with plug for China: please add "CN" at the end of the Cat. No.

Hearth Trays

Cat. No.	For Use With
PH44X1	FB1300 Furnace
PH48X1	FB1400 Muffle Furnace