

Thermo Scientific Thermolyne Industrial Benchtop Muffle Furnaces

Rugged design with multiple safety features and choice of two temperature control options



- Reaches 1200°C maximum temperature
- Heavy-duty firebrick insulation surrounds the opening for added durability
- Adjustable alarm or Over-temperature Protection (OTP) setting can be used to protect the furnace or loaded chamber from excessive heat
- Thermocouple break protection cuts power to the heating elements, preventing a thermocouple failure runaway condition
- Counter-weighted door swings upward, directing heat away from operator
- Four individual embedded elements in special refractory cement permit excellent heat distribution in the chamber
- Door safety switch protects operator by removing power to the heating elements upon opening the door
- Rear-mounted 0.38in. (0.95cm) diameter port for monitoring chamber temperatures with independent measuring devices
- LED display simultaneously shows both setpoint and actual furnace temperatures in either °C or °F (programmable models only)

Single-setpoint Controller (B1)

- Single ramp to setpoint and a dwell
- Single display shows actual temperature or setpoint

8-step Programmable Controller (C1)

- Ramps to vary heat-up rate and dwell cycles to hold temperature at set levels from 0.1 to 999.9 minutes
- “Holdback” feature “holds” program until furnace temperature heats up or cools down to preprogrammed parameters — program will never outrun furnace performance

Includes: Oven, Platinel® II thermocouple and a ceramic hearth plate to protect the bottom heating element
Warranty*: 1 year (parts and labor)
Certifications: All units cUL, UL listed; -33 units also CE marked
Notes: 120V models require fixed wiring and are not supplied with a power cord

Cat. No.	Capacity	Temp. Range	Control	Interior D x W x H	Exterior L x W x H	Electrical	Shipping Weight
FD1535M	2.2L (0.08 cu. ft.)	100° to1200°C	B1	22.8 × 10.1 × 9.5cm (9 × 4 × 3.75in.)	45.7 × 27.9 × 41.9cm (18 × 11 × 16.5in.)	120V 50/60Hz, 18.6A 2230w	23.5kg (52 lb.)
FD1530M*	2.2L (0.08 cu. ft.)	100° to1200°C	B1	22.8 × 10.1 × 9.5cm (9 × 4 × 3.75in.)	45.7 × 27.9 × 41.9cm (18 × 11 × 16.5in.)	240V 50/60Hz, 9.3A 2230w	23.5kg (52 lb.)
FD1545M	2.2L (0.08 cu. ft.)	100° to1200°C	C1	22.8 × 10.1 × 9.5cm (9 × 4 × 3.75in.)	45.7 × 27.9 × 41.9cm (18 × 11 × 16.5in.)	120V 50/60Hz, 18.6A 2230w	23.5kg (52 lb.)
FD1540M*	2.2L (0.08 cu. ft.)	100° to1200°C	C1	22.8 × 10.1 × 9.5cm (9 × 4 × 3.75in.)	45.7 × 27.9 × 41.9cm (18 × 11 × 16.5in.)	240V 50/60Hz, 9.3A 2230w	23.5kg (52 lb.)
FD1530M-33	2.2L (0.08 cu. ft.)	100° to1200°C	B1	22.8 × 10.1 × 9.5cm (9 × 4 × 3.75in.)	45.7 × 27.9 × 41.9cm (18 × 11 × 16.5in.)	240V 50/60Hz, 6.5A 1560w	23.5kg (52 lb.)
FD1540M-33	2.2L (0.08 cu. ft.)	100° to1200°C	C1	15.2 × 12.7 × 10.8cm (6 × 5 × 4.25in.)	40 × 25 × 37cm (15.8 × 10 × 14.5in.)	240V 50/60Hz, 6.5A 1560w	12.7kg (28 lb.)

*available with plug for China; please add "CN" at the end of the Cat. No.

Hearth Trays

Cat. No.	D x W x H
PHX1	8.2 x 10.1 x 1.27cm (3.25 x 4 x 0.5in.)
PHX2	20.3 x 9.6 x 1.9cm (8 x 3.8 x 0.75in.)