

Thermo Scientific Thermolyne industrial benchtop muffle furnaces

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

- Thermo Scientific Thermolyne Industrial Benchtop Muffle Furnaces
- Reaches 1200°C maximum temperature
- Heavy-duty firebrick insulation designed to surround 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






Temperature controller options

- Control B1, C1
- See page 6 for control details



Applications

- Heat treatment
- Melting
- Gravitmetric analysis

Cat. No.	Capacity	Temp. Range	Interior D x W x H	Exterior L x W x H	Control	Electrical	Shipping Weight	Plug Type
FD1535M	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	B1	120 V, 50/60 Hz, 18.6 A, 2230 W	23.5 kg (52 Lb.)	No plug, no cable, requires hardwiring
FD1530MCN	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	B1	240 V, 50/60 Hz, 9.3 A, 2230 W	23.5 kg (52 Lb.)	 16 A,
FD1530M	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	B1	240 V, 50/60 Hz, 9.3 A, 2230 W	23.5 kg (52 Lb.)	
FD1530M-33	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	B1	240 V, 50/60 Hz, 6.5 A, 1560 W	23.5 kg (52 Lb.)	
FD1545M	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	C1	120 V, 50/60 Hz, 18.6 A, 2230 W	23.5 kg (52 Lb.)	No plug, no cable, requires hardwiring
FD1540M*	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	C1	240 V, 50/60 Hz, 9.3 A, 2230 W	23.5 kg (52 Lb.)	
FD1540M-33	2.2 L (0.08 cu. ft.)	100° to 1200 °C	22.8 x 10.1 x 9.5 cm (9 x 4 x 3.75 in)	45.7 x 27.9 x 41.9 cm (18 x 11 x 16.5 in)	C1	240 V, 50/60 Hz, 6.5 A, 1560 W	12.7 kg (28 Lb.)	

Hearth plates

Cat. No.	For Use With
PHX1	8.2 x 10.1 x 1.27 cm (3.25 x 4 x 0.5 in.)
PHX2	20.3 x 9.6 x 1.9 cm (8 x 3.8 x 0.75 in.)

Includes: Furnace, Platinel® II thermocouple and a ceramic hearth tray (Cat No. PHX2) to protect the bottom heating element

Warranty: 1 year (parts and labor)

Certifications: All units cUL, UL listed