

Thermo Scientific Thermolyne premium large muffle furnaces

Robust design and choice of four temperature controllers

- Spacious 14 L (0.5 cu.ft.) capacity that reaches a maximum of 1200 °C
- Four heating elements are located on the chamber top, bottom and sides, designed for enhanced temperature uniformity
- Built-in vent port removes undesirable contaminants and moisture to extend the life of the element and unit
- Rear of the chamber incorporates a 0.312 in. diameter port for monitoring chamber temperatures with independent measuring devices
- Optional stainless-steel shelf doubles load capacity (maximum temperature of 900 °C)
- Door safety switch stops power to heating elements when door opens
- Thermocouple break protection cuts power to the heating elements, preventing a thermocouple failure runaway condition
- Furnaces with B1, C1, and D1 control also use a mechanical over-temperature protection relay

Temperature controller options

- A1, B1, C1, D1
- See page 6 for control details



Applications

Ideal for industrial applications including:

- Ashing organic and inorganic samples
- Gravimetric analysis

Cat. No.	Capacity	Temp. Range	Temp. Stability/Uniformity at 1000 °C	Interior D x w x H	Exterior L x w x H	Control	Electrical	Shipping Weight	Plug Type
F6018	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±0.3 °C ±2.2 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	A1	208V, 50/60 Hz 11.2 A, 2325 W	60.8 kg (134 Lb.)	
F6010	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±0.3 °C ±2.2 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	A1	240V, 50/60 Hz 12.9 A, 3095 W	60.8 kg (134 Lb.)	
F6010CN	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±0.3 °C ±2.2 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	A1	240V, 50/60 Hz 12.9 A, 3095 W	60.8 kg (134 Lb.)	
F6028C	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	B1	208V, 50/60 Hz 19.2 A, 4000 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6020C	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	B1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6020C-33	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	B1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6028C-80	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	C1	208V, 50/60 Hz 19.2 A, 4000 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6020C-80	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	C1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6020C-33-80	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	C1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6038CM	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	D1	208V, 50/60 Hz 19.3 A, 4000 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6030CM	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	D1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring
F6030CM-33	14 L (0.5 cu.ft.)	100° to 1200 °C (212° to 2192 °F)	±1.5 °C ±4.5 °C	25 x 33 x 18 cm (10 x 12.8 x 6.8 in)	51 x 48.5 x 53.3 cm (20.1 x 19.1 x 21 in)	D1	240V, 50/60 Hz 18.3 A, 4400 W	60.8 kg (134 Lb.)	No plug, no cable, requires hard wiring

Accessories

Cat. No.	Description
SH408X1	Stainless-steel Shelf (requires 4 shelf pegs)
J SX16	Shelf Pegs (4 required) for stainless-steel shelf
PHX1	Hearth tray, 8.2 x 10.1 x 1.27 cm (up to 9 per chamber floor in 3 x 3 pattern)

Includes: Models F6010 and F6018 include a cord and plug set

Required Accessories: All models except F6010 and F6018 require hardwiring

Warranty*: 1 year (parts and labor)

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