

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)
JSX16	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

Electrical plug configurations

High temperature in a furnace requires significant power, often requiring a non-standard electrical connection.

Many of our furnaces offer a choice of electrical configurations. Choose the model that best fits your needs and local circuit requirements.

The list below specifies the plug pictures that correspond to the pictures in the furnace spec tables.

Some furnace models are delivered without a plug. As noted in the specification tables, these models require hardwiring by a technician.	
US plug: Nema 5-15	
US plug: Nema 6-15	
US plug: Nema 5-20	
US plug: Nema 6-20	
EU plug: CEE 7/7	
UK plug: BS1363	
China plug: 10A	
China plug: 16A	
Swiss plug: SEV1011	

Find out more at thermofisher.com/furnaces

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