

## Thermolyne Furnaces



# Durable Benchtop Muffle

## Durable Elements and Plenty of Room!

- 1200°C max. temperature
- 864 cubic inch capacity
- ★ 24 Month Warranty

### Product Description

- Heating elements are located on top, bottom, and sides of chamber for enhanced temperature uniformity.
- Built-in venting system removes undesirable contaminants and moisture; extends the life span of the element and unit.
- The rear of the chamber incorporates a 0.38" (0.95 cm) 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 protects operator by removing power to the heating elements upon opening the door.
- Thermocouple break protection cuts power to the heating elements, prevents a thermocouple failure runaway condition.
- Models F6010 and F6018 are supplied with cord and plug set, all others require conduit connection.

### Operation

- Four temperature controller models:



Type F6000

**A1:** Digital single set point control. A single display shows Actual temperature or set point.

**B1:** Digital single set point control with a single ramp to set point and a dwell. A single display shows Actual temperature or set point. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

**C1:** Digital programmable control with one stored program of 8 segments. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

**D1:** Digital programmable control with 4 stored programs, 16 segments per program. The controller also includes RS232 communications. The furnaces that use this control also utilize a mechanical Over Temperature Protection relay.

### PRODUCT SPECIFICATIONS

Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Chamber cu. in. (l)	Shipping Weight Lb. (kg)
	W	H	D	W	H	D		
F6000	12.8 (33)	6.8 (18)	10 (25)	19.1 (48.5)	21 (53.3)	29.5 (74.9)	864 (14)	134 (60.8)
				Uniformity at 1000°C			Stability at 1000°C	
F6000 (chamber)				± 2.2°C			±0.2°C	

### ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Operating Temp Range		Temp Control Group	US List Price	Model #	Electrical (50/60 Hz)			Operating Temp Range		Temp Control Group	US List Price
	Volts	Amps	Watts	°C	°F				°C	°F	Volts	Amps	Watts		
F6018	208	11.2	2325	100-1200	212 - 2192	A1	\$2,246.00	F6020C-80	240	18.3	4400	100-200	212 - 2192	C1	\$4,378.00
F6010	240	10.0	2400	100-1200	212 - 2192	A1	\$2,246.00	F6020C-33-80 <sup>1</sup>	240	18.3	4400	100-1200	212 - 2192	C1	\$4,512.00
F6028C	208	19.2	4000	100-1200	212 - 2192	B1	\$3,761.00	F6038CM	208	19.2	4000	100-1200	212 - 2192	D1	\$5,192.00
F6020C	240	18.3	4400	100-1200	212 - 2192	B1	\$3,761.00	F6030CM	240	18.3	4400	100-1200	212 - 2192	D1	\$5,192.00
F6020C-33 <sup>1</sup>	240	18.3	4400	100-1200	212 - 2192	B1	\$3,761.00	F6030CM-33 <sup>1</sup>	240	18.3	4400	100-1200	212 - 2192	D1	\$5,192.00
F6028C-80	208	19.2	4000	100-1200	212 - 2192	C1	\$4,378.00	<sup>1</sup> CE marked							

### ACCESSORIES

Model #	Description	Overall Dimensions Inches (cm)		US List Price	Model #	Description	Overall Dimensions Inches (cm)			US List Price
		W	D				W	H	D	
SH408X1	Stainless Steel Shelf	12.8 (33)	8.3 (21)	\$40.20	PH177X1	Hearth Tray	10.75 (27.3)	.75 (1.9)	9 (22.8)	\$86.20
JSX16	Porcelain Pegs for Shelf (4-required)			\$1.30	PHX1	Hearth Tray	4 (10.1)	.5 (1.27)	3.25 (8.2)	\$17.50
					PHX2	Hearth Tray	3.8 (9.6)	.75 (1.9)	8 (20.3)	\$25.60