

## Thermolyne Furnaces



# Large Chamber Muffle



Type 30400

### Product Description

- Heating elements are located on top, bottom and sides of chamber for enhanced temperature uniformity.
- Triple the usable working area with two supplied accessory refractory shelves.
- 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.
- Critical electronic components and heating elements are protected by a 35 amp circuit breaker.

### Two Shelves for Maximum Space!

- 1.6 cubic feet capacity
- 1093°C Max. temperature
- ☆ 24 Month Warranty

- Door safety switch protects operator by removing power to the heating elements upon opening the door.
- No power cord supplied. Electrical connection requires fixed wiring.

### Operation

- Choose from 3 temperature control models:  
**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.

### Applications

- Annealing glass
- Catalyst research
- Determinations of volatiles
- Ashing pulp and paper samples

PRODUCT SPECIFICATIONS								
Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Chamber cu. ft. (l)	Shipping Weight Lb. (kg)
	W	H	D	W	H	D		
F30400	14 (36)	14 (36)	14 (36)	21.5 (54.6)	29.5 (74.9)	25.5 (64.7)	1.6 (45)	260 (117.9)
Uniformity at 1000°C							Stability at 1000°C	
F30400 (chamber)	±3.45°C						±1.2°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				Volts	Amps	Watts	°C	°F		
F30428C	208	26.4	5500	100-1093	212 - 2000	B1	\$5,851.00	F30438CM	208	26.4	5500	100-1093	212 - 2000	D1	\$6,901.00
F30420C	240	22.9	5500	100-1093	212 - 2000	B1	\$5,851.00	F30430CM	240	22.9	5500	100-1093	212 - 2000	D1	\$6,901.00
F30420C-33'	240	22.9	5500	100-1093	212 - 2000	B1	\$5,851.00	F30430CM-33'	240	22.9	5500	100-1093	212 - 2000	D1	\$6,901.00
F30428C-80	208	26.4	5500	100-1093	212 - 2000	C1	\$6,413.00	* CE marked All models are CSA Listed							
F30420C-80	240	22.9	5500	100-1093	212 - 2000	C1	\$6,413.00								
F30420C-33-80'	240	22.9	5500	100-1093	212 - 2000	C1	\$6,319.00								

ACCESSORIES					
Model #	Description	Overall Dimensions, Inches (cm)			US List Price
		W	H	D	
PH146X1	Hearth Tray	5.9 (14.9)	.75 (1.9)	6.75 (17.1)	\$37.30
*SH412X1	Accessory Shelf	10 (25.4)	.56 (1.27)	13.87 (35.2)	\$102.50

\* Maximum weight = 25lbs. (11.3 kg) of evenly distributed weight/mass