

## Small Benchtop Muffle

### Thermolyne Quality - Low Price!

- 1100°C maximum temperature
- Choice of 76 or 129 cubic inch capacities

#### Product Description

- Ceramic fiber insulation permits faster heat-up, reduces energy consumption.
- Embedded heating element on top and both sides improves temperature uniformity.
- Drop-down door doubles as a convenient shelf for loading and unloading.
- All models shipped complete with power cord.

#### Operation

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

#### Safety

- 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.
- The rear of the chamber incorporates a 0.38" (0.95 cm) diameter port for monitoring chamber temperatures with independent measuring devices.



Type FB1300 and FB1400



#### Applications

- Ashing most types of organic, inorganic samples
- Heat treating small steel parts
- Ignition tests
- Gravimetric analysis
- Determination of volatile and suspended solids

### PRODUCT SPECIFICATIONS

Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Chamber cu. in. (liters)	Chamber Uniformity at 1000°C	Chamber Stability at 1000°C	Shipping Weight Lb. (kg)
	W	H	D	W	H	D				
FB1300	4 (10.3)	3.8 (9.8)	5.0 (13)	9 (23)	14 (36)	13 (33)*	76 (1.3)	±7.8	±0.3	20 (9)
FB1400	5 (12.7)	4.25 (10.8)	6 (15.24)	10 (25)	14.5 (37)	15.8 (40)*	129 (2.1)	±5.0	±0.5	28 (12.7)

\*Dimensions are with door open. Dimensions with door closed are: FB1300 = 8.5" (21.6 cm) and FB1400 = 11.1" (28.2 cm).

### ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Operating Temp Range °C	Temp Control Group
	Volts	Amps	Watts		
FB1315M	120	8.9	1060	100-1100	A1
FB1318M	208	5.1	1060	100-1100	A1
FB1310M	240	4.4	1060	100-1100	A1
FB1310M-33	240	4.4	1060	100-1100	A1
FB1415M	120	12.0	1450	100-1100	A1
FB1418M	208	7.3	1520	100-1100	A1
FB1410M	240	6.3	1520	100-1100	A1
FB1410M-33	240	6.3	1520	100-1100	A1

-33 models CE marked  
All models are CSA

### ACCESSORIES

Model #	Description	Overall Dimensions, Inches (cm)		
		W	H	D
PH44X1	FB1300 Hearth Tray	4 (10.1)	0.4 (1.9)	4.75 (12)
PH48X1	FB1400 Hearth Tray	5.5 (13.9)	0.5 (1.3)	5.4 (13.7)