

## Thermolyne Furnaces



# Benchtop Industrial



Type FD1500

### Product Description

- Counter-weighted door swings upward, directing heat away from operator.
- Heavy-duty firebrick insulation surrounds chamber opening for added durability.
- Embedded elements in special refractory cement permit excellent heat distribution in the chamber.

### Rugged Construction, Smaller Chamber!

- 136 cubic inch capacity
- 1200°C max. temperature
- Durable fire brick insulation surrounds the opening
- Door safety switch protects operator by removing power to the heating elements upon opening the door.
- Adjustable Alarm or Over Temperature Protection (OTP) setting can be used to protect the furnace or loaded chamber from excessive heat.
- 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.
- No power cord supplied with 120V models. Electrical connection requires fixed wiring.

### Operation

- Choose from two control options:  
**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.

### PRODUCT SPECIFICATIONS

Type	Chamber Dimensions Inches (cm)			Overall Dimensions Inches (cm)			Chamber Cubic Inches (liters)	Shipping Weight Lb. (kg)
	W	H	D	W	H	D		
FD1500	4 (10.1)	3.75 (9.5)	9 (22.8)	11 (27.9)	25 (63.5)	18 (45.7)	136 (2.2)	52 (23.5)

### ORDERING INFORMATION

Model #	Electrical (50/60 Hz)			Operating Temp Range °C	Temp Control Group	US List Price	Model #	Electrical (50/60 Hz)			Operating Temp Range °C	Temp Control Group	US List Price
	Volts	Amps	Watts					Volts	Amps	Watts			
FD1535M	120	18.6	2240	100-1200	B1	\$1,827.00	FD1540M	240	9.3	2240	100-1200	C1	\$2,220.00
FD1530M	240	9.3	2240	100-1200	B1	\$1,827.00	FD1530M-33	220	6.5	2240	100-1200	B1	\$1,827.00
FD1545M	120	18.6	2240	100-1200	C1	\$2,220.00	FD1540M-33	220	6.5	2240	100-1200	C1	\$2,220.00

### ACCESSORIES

Model #	Description	Overall Dimensions Inches (cm)			US List Price
		W	H	D	
PHX1	Hearth Tray	4 (10.1)	0.5 (1.3)	3.3 (8.2)	\$17.50
PHX2	Hearth Tray	3.9 (9.6)	0.75 (1.9)	8 (20.3)	\$25.60