

## Thermolyne Furnaces



### Fold-Down Door

#### Fold-Down Door for Convenience and Safety!

- \* 203 or 375 cubic inch capacities
- \* 1050° C maximum temperature
- \* Unique fold-down door can be used as shelf



Type F114300 and F114200



#### Product Description

- Unique fold-down door enables customer to use door as shelf and keeps hot surfaces away.
- A black anodized aluminum plate attached to the exterior of the door becomes a convenient cooling surface.
- Two chamber sizes:  
Type F114200 offers 203 cubic inches of heating area.  
Type F114300 provides 375 cubic inches of heating area.
- Open coil heating elements for fast heating:  
Type F114200 has an element on each side.  
Type F114300 has one heating element on each side and another in the back of the chamber.
- 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.

#### Operation

- Four temperature controller models:  
**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.

#### 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.

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### 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		
F114200	5.9 (14.9)	5.6 (14.3)	6.1 (15.6)	13.3 (33.8)	19.8 (50.1)	15.1 (38.4)	203 (3.3)	60 (27)
F114300	10.9 (27.6)	5.6 (14.3)	6.1 (15.6)	18.25 (46.4)	19.8 (50.1)	15.1 (38.4)	375 (6.2)	80 (36)

### ORDERING INFORMATION

Model #	Volts	Electrical (50/60 Hz)		Operating Temp Range		Temp Control Group	US List Price
		Amps	Watts	°C	°F		
F114215	120	8.6	1034	100-1050	212-1922	A1	\$1,947.00
F114210	240	4.3	1034	100-1050	212-1922	A1	\$1,947.00
F114210-33 <sup>1</sup>	240	4.3	1034	100-1050	212-1922	A1	\$1,947.00
F114225	120	8.6	1034	100-1050	212-1922	B1	\$2,668.00
F114220	240	4.3	1034	100-1050	212-1922	B1	\$2,668.00
F114220-33 <sup>1</sup>	240	4.3	1034	100-1050	212-1922	B1	\$2,668.00
F114225-80	120	8.6	1034	100-1050	212-1922	C1	\$3,193.00
F114220-80	240	4.3	1034	100-1050	212-1922	C1	\$3,193.00
F114220-33-80 <sup>1</sup>	240	4.3	1034	100-1050	212-1922	C1	\$3,193.00
F114255	120	8.6	1034	100-1050	212-1922	D1	\$3,968.00
F114250	240	4.3	1034	100-1050	212-1922	D1	\$3,968.00
F114250-33 <sup>1</sup>	240	4.3	1034	100-1050	212-1922	D1	\$3,968.00
F114315*	120	12	1500	100-1050	212-1922	A1	\$2,208.00
F114315-60	120	12	1500	100-1050	212-1922	A1	\$2,208.00
F114310	240	6.2	1500	100-1050	212-1922	A1	\$2,208.00
F114310-33 <sup>1</sup>	240	6.2	1500	100-1050	212-1922	A1	\$2,208.00
F114325*	120	12	1500	100-1050	212-1922	B1	\$3,051.00
F114325-60	120	12	1500	100-1050	212-1922	B1	\$3,051.00
F114325-60-80	120	12	1500	100-1050	212-1922	B1	\$3,502.00
F114320	240	6.2	1500	100-1050	212-1922	B1	\$3,051.00
F114320-33 <sup>1</sup>	240	6.2	1500	100-1050	212-1922	B1	\$3,051.00
F114325-80*	120	12	1500	100-1050	212-1922	C1	\$3,502.00
F114320-80	240	6.2	1500	100-1050	212-1922	C1	\$3,502.00
F114320-33-80 <sup>1</sup>	240	6.2	1500	100-1050	212-1922	C1	\$3,502.00
F114355*	120	12	1500	100-1050	212-1922	D1	\$4,257.00
F114355-60	120	12	1500	100-1050	212-1922	D1	\$4,257.00
F114350	240	6.2	1500	100-1050	212-1922	D1	\$4,257.00
F114350-33 <sup>1</sup>	240	6.2	1500	100-1050	212-1922	D1	\$4,257.00

<sup>1</sup> CE marked

\* Models are not CSA Listed

-60 Models include 20-amp cord

### ACCESSORIES

Model #	Quantity Needed	Description	US List Price
PHX3	1 (model F114200) 2 (model F114300)	Hearth Tray	\$19.80
JSX123	1	Ceramic Vent Tube	\$15.80