

Thermolyne Furnaces



Economy Large Muffle

Oval Chamber for Uniform Heating!

- 864 cubic inch capacity
- 1000°C max. temperature
- Fan-cooled exterior

Product Description

- Oval-shaped heating element is directly embedded in ceramic fiber insulation for even heat distribution throughout chamber.
- Built-in venting system removes undesirable contaminants and moisture; extends the life span of the element and unit.
- All models shipped complete with power cord.
- Configured in °C.
- Calibration port located at the rear of chamber allows easy access for calibration.

Operation

- Self-tuning function allows the control to adjust or "tune" itself for superior temperature accuracy.
- 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.



Type F62700



Safety

- Adjustable alarm or Over Temperature Protection (OTP) setting can be used to protect the furnace or loaded chamber from excessive heat.
- 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.

Applications

- Drying and firing of coatings
- Drying and firing decorations on glass
- Heat treating ceramics and tiles
- For heavy ashing procedures see F6000 furnace
- Gravimetric analysis
- Heat treating glass
- Ignition tests

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		
F62700	11 (28)	7.5 (19)	11 (28)	21.5 (54.6)	14.25 (36.1)	13.75 (34.9)	864 (15)	73 (33)

ORDERING INFORMATION

Model #	Volts	Electrical (50/60 Hz)		Operating Temp Range		Group	US List Price
		Amps	Watts	°C	°F		
F62735	120	12.4	1488	100-1000	212 - 1832	B1	\$2,004.00
F62730*	240	6.2	1488	100-1000	212 - 1832	B1	\$2,004.00
F62730-33 ¹	240	12.4	1488	100-1000	212 - 1832	B1	\$2,004.00
F62735-80	120	12.4	1488	100-1000	212 - 1832	C1	\$2,503.00
F62730-80	240	6.2	1488	100-1000	212 - 1832	C1	\$2,503.00
F62730-33-80 ¹	240	6.2	1488	100-1000	212 - 1832	C1	\$2,503.00

¹ CE marked

* Models are not CSA Listed

ACCESSORIES

Model #	Description	Overall Dimensions Inches (cm)			US List Price
		W	H	D	
PH421X1	Hearth Tray	4.1 (10.4)	0.5 (1.2)	9.5 (24.1)	\$38.80

For furnace Calibration Verification System, see pyrometers.