

Thermolyne Furnaces



Atmosphere Controlled Ashing



Stainless steel crucible tray, part number TY408X2A.



Type F6000-60 and Type F30400-60

Includes Gas Flow Meter and Manifold!

- 0.5 and 1.6 cu. ft. capacities
- Temperature to 975°C
- Type F6000 Meets ASTM D3174 Specifications

Operation

- Model F6000-60 meets ASTM D3174 specifications: 3–4 air exchanges per minute. Heating rate of 8°C/min.– 500°C, 6°C/min. from 500°C to 750°C. Holds at 750°C for two hours, then turns off.
- Adjustable gas flow meter/valve (0-80 l/min.) conveniently located on front allows easy adjustment of airflow rate.
- Stainless steel manifold at rear chamber pre-warms incoming gases; provides maximum temperature gradient of only $\pm 3^\circ\text{C}$ at 750°C.
- The rear of the chamber incorporates a 0.38" (0.95 cm) diameter port for monitoring chamber temperatures with independent measuring devices and a 0.25" ID or 0.375" OD hose barb on back of unit to connect with an inert gas line.

Product Description

- Ideally suited for coal and coke ashing procedures.
- Two popular sizes to choose from.
- All type F6000 units include two dual-purpose stainless steel trays and handle to accommodate 24 (30 ml) porcelain crucibles, or 38 (10 ml) quartz crucibles.
- No power cord supplied. Electrical connection requires fixed wiring.

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		
F6000-60	12.8 (33)	6.8 (18)	10 (25)	19.1 (49)	21 (53)	32 (81)	0.5 (14)	134 (60.7)
F30400-60	14 (36)	14 (36)	14 (36)	21.5 (55)	29.5 (75)	25.5 (65)	1.6 (45)	250 (113)

Temperature Control Groups:
 C1) Programmable, 8 segments. B1) Single setpoint digital controller.
 D1) Multi-programmable, 4 stored programs of 16 segments each plus RS232 digital communications.

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		
F6020C-60	240	18.3	4400	100-975	212 - 1787	B1	\$4,462.00	F6038CM-60	208	19.2	4000	100-975	212 - 1787	D1	\$5,810.00
F6020C-33-60 ¹	240	18.3	4400	100-975	212 - 1787	B1	\$4,553.00	F30420C-60-80	240	22.9	5500	100-975	212 - 1787	C1	\$6,984.00
F6028C-60	208	19.2	4000	100-975	212 - 1787	B1	\$4,462.00	F30420-33-60-80 ¹	240	22.9	5500	100-975	212 - 1787	C1	\$6,984.00
F6020C-60-80	240	18.3	4400	100-975	212 - 1787	C1	\$5,094.00	F30428C-60-80	208	23.4	5500	100-975	212 - 1787	C1	\$6,984.00
F6020C-33-60-80 ¹	240	18.3	4400	100-975	212 - 1787	C1	\$5,130.00	F30430CM-60	240	22.9	5500	100-975	212 - 1787	D1	\$7,242.00
F6028C-60-80	208	19.2	4000	100-975	212 - 1787	C1	\$5,094.00	F30430CM-33-60 ¹	240	22.9	5500	100-975	212 - 1787	D1	\$7,534.00
F6030CM-60	240	18.3	4400	100-975	212 - 1787	D1	\$5,810.00	F30438CM-60	208	23.4	5500	100-975	212 - 1787	D1	\$7,534.00
F6030CM-33-60 ¹	240	18.3	4400	100-975	212 - 1787	D1	\$5,810.00								

¹ CE marked. All models are CSA Listed.

ACCESSORIES

Model #	Description	US List Price
TY408X2A	Additional Dual-Purpose Stainless Steel Crucible Trays	\$93.90
SH408X1	Stainless Steel Shelf for F6000-60	\$40.20
HN408X2A	Handle for Shelf	\$27.10
SH304X1	Refractory Shelf for F30400-60	\$66.40
AY408X1	Inconel manifold for F6000 furnace for temperatures up to 1093°C	\$655.10
AY408X1A	Stainless Steel Flexible Exhaust Tubing Kit, 2.5" I.D. x 5' long for venting fumes to proper exhaust system, plus mounting hardware. *Model F30400 has two vent ports. Two kits are required.	\$276.20
AY718X1	Inconel manifold for F30400 furnace for temperatures up to 1093°C	\$612.20