

Electrothermal Furnaces



Largest Chamber Muffle



Our Largest Chamber!

- 9 cu. ft. chamber
- 1093°C max. temperature
- Supports loads up to 500 lb.
- Choice of controllers, ordered separately



Type F31700

Product Description

- High thermal-resistant insulation reduces heat up and recovery times.
- Conventional firebrick in base provides maximum mechanical strength that supports up to 500 pound loads.
- Gas spring actuators assist in opening and closing the door.

Operation

- Fast heat-up from ambient to 1600°F/870°C in just 2 hours, unloaded.
- Furnace includes welded steel stand, providing chamber entry at convenient height.
- Silicon Carbide Hearth Plates protect bottom heating element.
- Heating elements recessed in refractory cement for optimum heat transfer and chamber temperature uniformity.

- Furnace modification for injection of inert gas available upon request. Contact Barnstead International at 800-553-0039.
- No power cord supplied. Electrical connection requires fixed wiring.

Safety

- Door opens upward, keeping hot side away from operator.
- Door safety switch removes power from heating element when door is opened to shield operator.

Applications

- Heat treating large metal parts
- Annealing glass
- Brazing

PRODUCT SPECIFICATIONS

Type	Chamber Dimensions Inches (cm)			W	Overall Dimensions Inches (cm)			Chamber cu. ft. (l)	Shipping Weight Lb. (kg)
	W	H	D		H	D			
F31700	24 (60.9)	18 (45.7)	36 (91.4)	42.5 (107.9)	61.0 (154.9)	49.5 (125.7)	9 (254.4)	1100 (499)	

ORDERING INFORMATION

Model #	Volts	Electrical (50/60 Hz)		Operating Temp Range		US List Price
		Amps	Kilowatts	°C	°F	
F31758	208	48.3	17.4	150-1093	300-2000	\$17,500.00
F31750	240	48.3	20.0	150-1093	300-2000	\$17,500.00
F31756	480	24.1	20	150-1093	300-2000	\$17,500.00

Temperature control sold separately, see furnace controllers.
All models are CSA.

ACCESSORIES

Model #	Description	W	Overall Dimensions Inches (cm)		US List Price
			H	D	
PH42X1	Hearth Tray	9.93 (25.2)	.5 (1.2)	11 (27.9)	\$101.60