

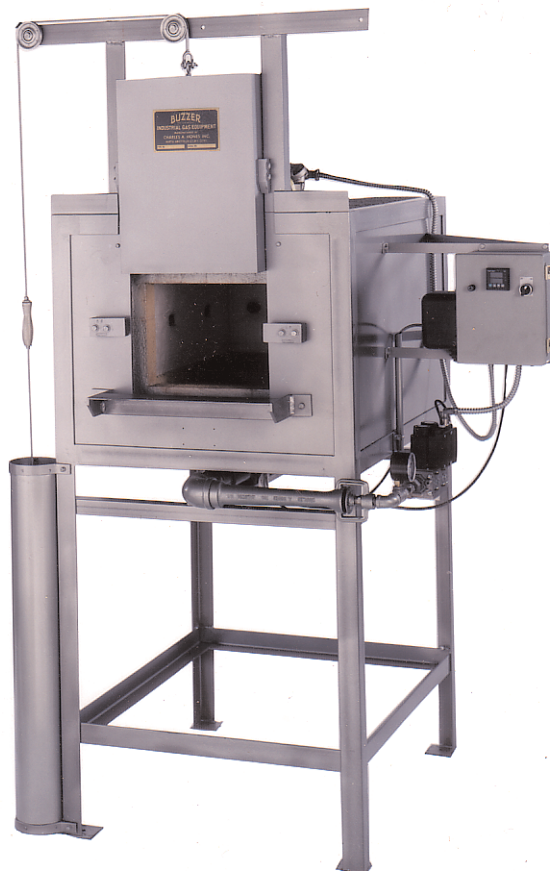


# Fiber-Box Oven Furnace

Charles A. Hones, Inc. 607 Albany Ave. North Amityville, NY 11701 Ph: 631.842.8886 Fax: 631.842.9300

The **Buzzer Fiber-Box™** oven furnace is designed to meet the industrial needs of commercial and in-house heat treaters. This unique oven combines the ruggedness of insulating firebrick with the thermal shock resistance and low heat storage of fiber insulation. The 1218 model, popular for foil-wrapped high speed tool steel, will obtain 2,200°F from a cold start in less than 90 minutes, on average.

- Constructed of heavy gauge welded steel plate reinforced by a sturdy angle iron.
- Rated to 2,200°F and heated with our simple 57A cast iron burner.
- Can be set up to operate on either low pressure natural or propane (LP) gas. Conversion from one fuel to the other requires only a simple orifice change.



## Construction

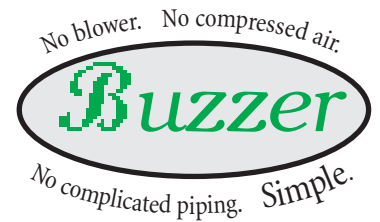
The Fiber-Box oven furnace's **Buzzer** engineered flat style arch is constructed of 4½ inches of 2,300°F firebrick backed with 2½ inches of 1,600°F castable block insulation. Our extra-insulating arch, combined with stainless steel support rods, provides a sturdy well-insulated industrial design. This design takes the beneficial insulating value of block insulation and places it on the arch, where it helps reduce heat loss and increase energy efficiency. Additionally, most threshold and vestibule bricks which surround the door opening are made of heavy duty hardbrick to provide the maximum abrasion resistance available.

Model	Overall dimensions				Door opening			Working area		Height from floor	Approx. shipping weight	Gas connect	BTU's per hour in 1,000's
	Width	Length	Furnace height	Total height	Width	Height	Width	Length	Stacking Height				
1218	29	30	65	80	12	12	12	18	9	44	1,400	3/4	120
1224	29	36	65	80	12	12	12	24	9	44	1,700	1	150
1236	29	48	65	80	12	12	12	36	9	44	2,000	1¼	220
1248	29	60	65	80	12	12	12	48	9	44	2,300	1½	250

Please note: all work shelves are 6" deep by width of door opening. Counterweight adds 5½" to width. Overall dimensions do not include controls.

# Fiber-Box Oven Furnace

Charles A. Hones, Inc. 607 Albany Ave. North Amityville, NY 11701 Ph: 631.842.8886 Fax: 631.842.9300



## Insulation

Efficiently lined with two courses of insulation: 2 inches of 8 lb. density 2,400°F fiber insulation backed up by 4 1/2 inches of 2,300°F firebrick. This two layer construction provides the efficiency desired by modern manufacturing companies and delivers quick heat-up and cool-down to stand up to demanding production schedules.

## Hearth Plates

2-inch thick silicon carbide hearth plates (rated for 2,500°F), provide excellent strength at elevated temperatures and superb heat transfer. In our classic semi-muffle gas fired design, all combustion takes place under the silicon carbide hearth plates so only the hot gases and products of combustion come in contact with the work. With this **Buzzer** engineered design, there is no direct flame impingement upon the work.

## Applications

The advanced fiber-lined side walls are appropriate for modern commercial and industrial heating applications which require high temperature, extra insulating value, and quick heat-up and cool-down times. Recommended for heat treating applications up to 2,250°F:



Hardening low, medium and high carbon steels, high speed steels and tool steels; annealing; pack carburizing; stress relieving; and forging.



Specialty glass and ceramic work.



1224 Fiber-Box oven furnace, complete with digital temperature controls, spark ignition, and electronic flame safeguard. Rated for use up to 2,200°F.