



High Temperature Melting Furnace

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

The **Buzzer** high temperature melting furnace is designed to meet the industrial melting needs of the non-ferrous casting industry (lead, tin, zinc, aluminum, kirksite and white metal). The heavy duty cast iron and welded steel construction combined with the thoroughly insulated body provide both the efficiency and the old-fashioned ruggedness our customers have come to expect from a **Buzzer** engineered furnace.



Constructed of a firebrick-insulated rolled steel jacket, reinforced by steel threaded rods and cast iron or welded steel top and bottom ring segments.

Rated for continuous duty to 1,400°F.

Thoroughly insulated with 4½ inches of 2,300°F firebrick, individually measured, cut, positioned, and mortared in a staggered circular design for optimum strength and function.

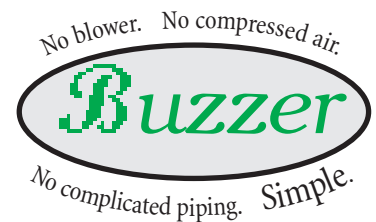
Can be set up to operate on either low pressure natural or propane (LP) gas. Conversion from one fuel to the other requires only a simple orifice change.

Model	Height	Width	Inside pot diameter	Inside pot depth	Approx. lead capacity of pot, in pounds	Approx. zinc capacity of pot, in pounds	Approx. shipping weight	Gas connect	BTU's per hour in 1,000's
170	24	16	9	7	160	80	215	3/8	53
171	37	26	12	18	725	420	575	1¼	122
171A	30	26	12	10	400	250	500	1¼	122
172	34	24	10	14	375	200	475	1¼	122
173	36	32	18½	14½	1,000	700	780	1¼	232
175	41	50	32	21	5,000	3,000	2,650	1½	500

Please note: recommended aluminum capacity of 170 is 30 lbs; 171A is 85 lbs; and 172 is 65 lbs. Models 171, 173 and 175 are not recommended for melting aluminum. See instead models AL100 and AL200 on page 23. Overall dimensions do not include controls.

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Pot construction




Our high temperature melting furnace comes standard with a thick, heavy duty cast iron melting pot with an extra-wide flange. (The cast iron pot will provide best service life when used for melting non-ferrous metals such as aluminum and zinc alloys.) The extra wide flange helps prevent fluxes, metals, drosses, scale or debris from clogging flue passageways.


The burners

All high temperature melting furnaces are heated with our simple raised port ring burners, designed to hold their own against high radiant heat, as well as demanding production schedules. The raised port ring burner features hand-drilled cast iron ports to produce shorter flames with smooth and quick ignition and excellent turndown.


Applications

The **Buzzer** high temperature melting furnace is recommended for melting aluminum, zinc, tin, babbitt, solder, lead, and most die casting and white metal alloys.

-  Non-ferrous die casting, solid mold casting, sand casting, precision casting, and many specialty casting processes.
-  High temperature zinc (hot dip) galvanizing.
-  Popular choice for industry, trade schools, laboratories, and artisans.

 170 high temperature melting furnace with cast iron pot and stainless steel liner. The stainless steel liner is used to reduce iron pick-up when melting zinc and aluminum alloys.



 4 1/2" of firebrick insulation and four-ring cast iron burner for heating a model 175 high temperature melting furnace.