



Soft Metal Furnace

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

Designed to meet the metal melting needs of the non-ferrous casting industry, the *Buzzer* soft metal furnace is ideal for both intermittent and high production usage with lead, tin, solder, babbitt, zinc, and all other white and soft metals. Our popular soft metal furnace comes in five standard sizes with lead capacity ranging from 160 to 2,700 lbs. The heavy duty cast iron and rolled steel construction combined with the thoroughly insulated steel body provide the efficiency desired by modern manufacturers, while still maintaining the old-fashioned ruggedness our customers have come to expect from a *Buzzer* engineered furnace.



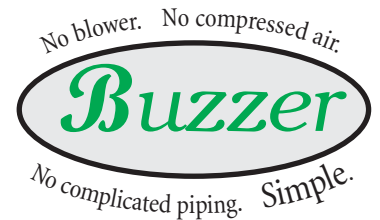
- 🔧 Constructed of two heavy gauge rolled steel jackets reinforced by stainless steel threaded rods. Furnace body firmly secured with cast iron top and bottom rings.
- 🔧 Rated for continuous duty at 1,000°F.
- 🔧 Efficiently lined with 1,200°F block insulation.
- 🔧 Can be set up to operate on either low pressure natural or propane (LP) gas. Conversion from one fuel to the other requires only a simple orifice change.

Model	Furnace height	Inside pot diam	Inside pot depth	Tin capacity in lbs.	Lead capacity in lbs.	Zinc capacity in lbs.	Approx. shipping weight in lbs.	Gas connect	BTUH in 1,000's	Melting time, in minutes Inside
160	22	9	7 ¹ / ₄	85	160	80	80	¹ / ₄	30	30
250	25	12 ³ / ₄	6 ¹ / ₂	165	250	150	180	³ / ₈	50	45
500	30	15	11	340	500	300	300	³ / ₈	75	45
1,000	34	18 ¹ / ₂	14 ¹ / ₂	750	1,000	700	500	1 ¹ / ₄	125	60
2,700	37	26 ³ / ₄	16 ¹ / ₄	1800	2,700	1,725	1,100	1 ¹ / ₄	235	85

Please note: Melting time is approximate as applied to lead and varies according to conditions. Dimensions of pot do not include flange.

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Pot construction

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

The burners

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

Applications

-  Recommended for melting lead, tin, zinc, pewter, solder, babbitt, kirksite, and most die casting and white metal alloys.
-  Can be used for non-ferrous die casting, solid mold casting, sand casting, precision casting, and many specialty casting processes, as well as zinc (hot dip) galvanizing.
-  Popular with industry, trade schools, laboratories and artisans.

Models 250, 1000 and 2700 melting furnaces. Larger ovens equipped with temperature control solenoid valves and Baso safety valves. All equipment with cast iron pots. Rated for use up to 1,000°F.

