



Low Temperature Salt Bath Furnace

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

Designed to meet the industrial heat treating and tempering needs of commercial and in-house heat treaters, our low temperature salt bath furnaces are rugged units lined with firebrick insulation and come complete with double welded steel pots. 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 top and bottom ring segments.
- ☛ Rated for continuous duty to 1,300°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.

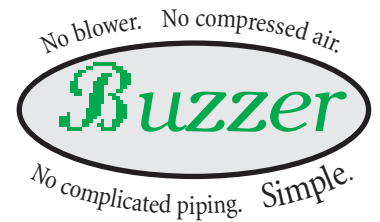


Model	Height	Width	Inside pot diameter	Inside pot depth	Salt	Lead	Approx. shipping weight	Gas connect	BTU's per hour in 1,000's
170-6	22	16	8	6	20	105	180	1/4	30
170-10	26	16	8	10	32	170	200	3/8	53
170-12	28	16	8	12	40	210	210	3/8	53
171-18	37	26	12	18	145	725	525	1 1/4	122
171A-10	30	26	12	10	80	400	475	1 1/4	122
172-14	34	24	10	14	75	375	460	1 1/4	122
173-18	36	32	16	18	245	1,200	760	1 1/4	232

Please note: Overall dimensions do not include controls.

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Pot construction

Our low temperature salt bath furnace comes standard with a $\frac{3}{8}$ " thick heavy duty welded steel pot constructed of SAE-30 grade 70 pressure vessel quality steel. Each pot is double welded with an extra wide flange to provide the best service life for low temperature heat treating and tempering applications. The extra wide flange helps prevent fluxes, metals, drosses, scale or debris from clogging flue passageways.

The burners

All low temperature salt bath 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

-  Recommended for heat treating, tempering, annealing, cleaning, and stripping applications using a salt-based medium.
-  Popular among industrial heat treaters.



170-12 low temperature salt bath with high/low solenoid valve and Baso safety valve. Furnace includes steel vent hood with side access door.