

Charles A. Hones Inc.

Buzzer

Burners and furnaces
since 1911

CRUCIBLES



INFORMATION ON CRUCIBLES AND CRUCIBLE FURNESES FOR
MELTING ALUMINUM, BRASS, BRONZE, COPPER, LEAD, TIN, ZINC,
GOLD, AND SILVER

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Aluminum Crucible Furnace

Our Aluminum Crucible Furnaces are designed to be easy to use while meeting the industrial melting needs of aluminum and zinc foundries. This Furnace offers the benefit of Starbond™ carbon bonded Crucible and the power of a Buzzer Venturi air mixer for clean, easy melting. The cast iron and steel construction mixed with a thoroughly insulated body provides both the efficiency and hand crafted quality our customers have come to expect of a Buzzer engineered furnace.

Product dimension information listed below,
All dimensions are in inches.



Model	Furnace height	Furnace diameter	Crucible height	Crucible top diameter
ACR 20	33.5	16	10	8
ACR 60	37	25.75	15	10.5
ACR 125	43	30	18	13
ACR 300	50	39	22.75	16

Crucible
in melting
furnace



Melting
furnace
with cover
only



Melting
furnace with
cover and
lid.



All aluminum Crucible furnaces come standard with thick walled silicon carbide carbon crucibles. Carbon bonded Crucibles provide the best service life as well as the cleanest melt, and are recommended for all zinc and aluminum alloys.

Below is a chart of the working capacity of crucibles, taken from the Dixon, AGF, morgan/starrbide Crucible Handbooks.

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Number	Alum.	Brass	Bronze	Copper	Lead	Tin	Zinc	Gold	Silver
6	5.33	17.33	18	18.33	23.5	15	14.5	39.75	21.5
10	10.5	33.75	35.5	35.75	45.75	29.5	28.5	77.75	42.33
14	13.75	44.75	47	47.5	60	39	38	103	56
18	16	52	54.5	55	70.5	45	44	119	65
20	20	63	66	66.75	85.5	54.75	53.25	144.75	78.75
30	28.5	91.25	95.75	96.75	124	79.25	77.25	209.75	114
40	37	119.75	125.25	126.75	162.25	104	135.5	270.75	149.5
50	45.75	148	155	156.75	200	128.5	125	340	185
60	56.5	182.75	191.25	193.5	247.75	158.75	154.25	419.75	228.25
70	64.25	207.75	217.25	220.25	282	180.5	175.75	477.5	259.75
80	74	239.75	250.75	253.5	224.75	208	202.25	550	299.25
90	79.75	289.75	270.5	273.5	350.5	224.25	218.25	593.25	322.75
100	89.75	289.75	303.5	307	393.75	257.75	244.75	665.75	362.25
125	101	326.25	341.25	345.25	442.75	283.5	275.75	749.75	407.75
150	123.75	400	419	423.75	542.75	347.5	338	919	500
175	140.25	453.5	475	480.5	615.5	394.25	383.25	1042.25	567
200	161.75	522.75	547.25	554	709.5	454.25	441.25	1201.25	653.5
225	179.25	579.5	607.25	614	786.5	503.75	489.75	1331.75	724.5
275	203.75	658.25	689.75	697.5	893.25	575	556.25	1512.5	822.75
300	222.25	718.25	752.25	760.75	974.75	624	607	1650	897.75

Charles A. Hones, Inc. Is a family business that has over 100 years of expertise in Thermal, Heating & Combustion Engineering. We supply complete products, and replacement parts. We offer the advantage of being accessible to our local audience. We often visit our local customers, so we view the job in person, and will be there down the line to provide trouble-shooting services. We also supply value added service such as mounting brackets, equipment shields, pre-assembled parts & packaged items. We provide expert local service to a wide array of customers including ceramics, pottery, glass, foundries (commercial, captive & art), heat treating, forging, metal casting & similar metal improvement industries. We also cater to other high temperature niche industries such as micro brewing, commercial cooking, smoke houses & maple syrup production. Charles A Hones Inc. is flexible in that we can provide direct sales, work on a commission, resale or distribution basis. All our products are manufactured in the USA.

If you would like more information or would like to place an order please contact us at:

Email us at: Info@charlesahones.com

Call us at: 315-623-2124

Don't forget to visit us on the web at

WWW.Charlesahones.com

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