

IMMERSED-TYPE CONTINUOUS ALUMINIUM MELTING AND HOLDING FURNACE

(S E H MODEL)

This Melting and Holding Furnace is designed for continuous operation and is suitable for aluminium die-casting and aluminium casting industries.

Equipped with "Super Low Speed Luminous Flame Burners" in the Melting chamber and electric heaters in the Holding chamber, it performs better than conventional furnaces by offering good temperature uniformity of molten metal coupled with excellent energy savings.

Some of the remarkable characteristics of the furnace include: -



SUPERIOR ALUMINIUM MELT QUALITY

Special luminous flame burners carefully selected by DAIKI ensures that hard spot formation and gas absorption problems are minimal. This translates into higher quality melts as molten metal that flows into the Holding chamber has very little oxidation.

NO HARD OXIDATION MATERIAL

With excellent furnace design and temperature control, the temperature in the Holding chamber is kept at about 50 degrees Celsius higher than that of the molten metal. As such, the customer will not experience the nightmare of having to remove hard oxidation material caused by over temperature conditions.

LOW ENERGY COST

Compared to furnaces built by other makers, it is possible to save up to 70% of the energy for equipment of this design.

ALUMINIUM ALLOY CASTING

This furnace can be attached to degassing equipment such as a Rotating degasser as well as an L-type Lance, used in aluminium alloy casting works.

LONG HEATER LIFE

The life of the heater is prolonged by using ceramic tubes made of high tech ceramics.

LOW MAINTENANCE COST AND SMALL SPACE UTILIZATION

Built for rugged operations, the cost of maintaining the furnace is low. The space required by this furnace is only 70% of that of conventional burner-type design.

SUPERB WORKING ENVIRONMENT

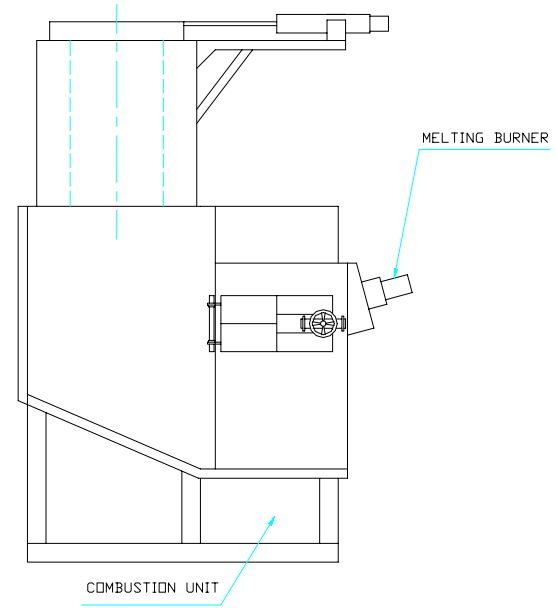
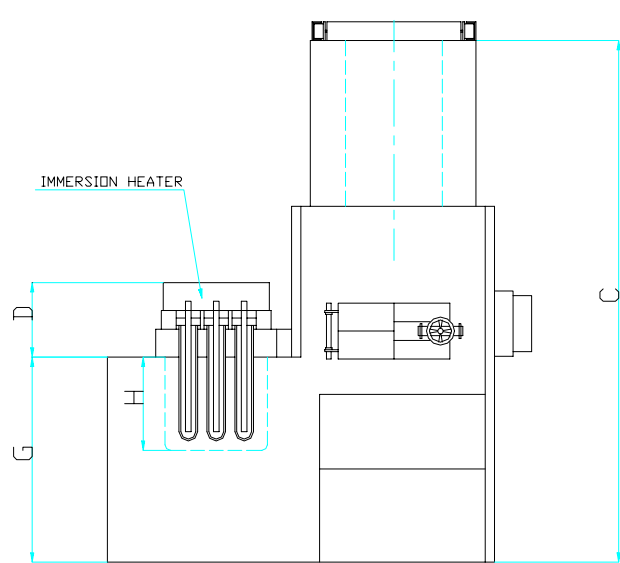
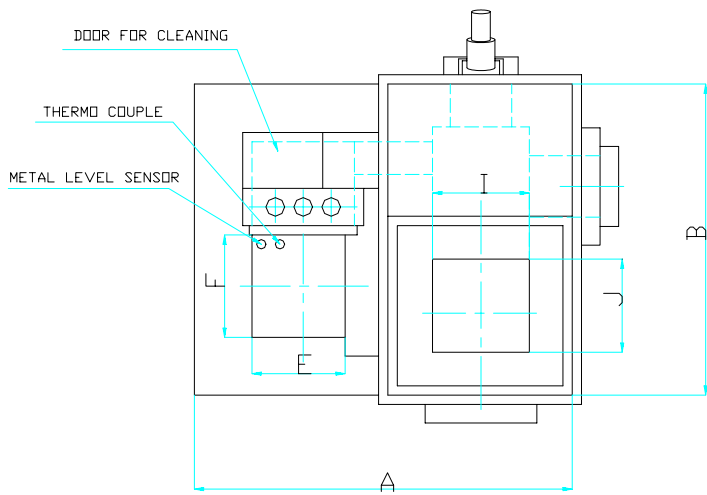
The temperature of the furnace vicinity is only 20 degrees celsius higher than that room temperature. As such, the task of removing dross at close distance to the furnace is pleasant.

CHOICE OF FUELS

The furnace can be designed to run on the following fuels:- Town/City Gas, Natural Gas, Propane Gas, Butane Gas Heavy Oil grades A and B, Light Fuel Oil, Kerosene, etc.

SEH Model Furnace Specifications

	SEH-100	SEH-150	SEH-200	SEH-250	SEH-300	SEH-400	SEH-500
Melting rate (kg/hr)	100	150	200	250	300	400	500
Holding cap. (kg)	250	380	480	580	700	850	1,050
Melting burner cap. (k c a l / h r)	80,000	80,000	120,000	120,000	150,000	200,000	300,000
Holding burner cap. (k w x No.of pcs.)	5 x 2	9 x 2	9 x 3	9 x 3	9 x 3	10 x 3	10 x 3



* The furnace can be designed to accommodate various equipment layout.

SEH Furnace Dimensions

	SEH-100	SEH-150	SEH-200	SEH-250	SEH-300	SEH-400	SEH-500
A	1560	1760	2120	2100	2200	2320	2370
B	1300	1400	1630	1630	1660	1750	1840
C	2250	2400	2600	2600	2800	3000	3400
D	400	400	400	400	400	400	400
E	400	400	450	450	500	550	550
F	400	400	450	450	500	550	550
G	930	1000	1100	1100	1100	1100	1100
H	400	400	450	450	500	550	550
I	500	500	500	570	610	650	700
J	480	480	470	500	500	600	600

DAIKI ALUMINIUM INDUSTRY CO.LTD.