

LABORATORY SCALE FURNACES

ASHING FURNACE

One of the most common applications of laboratory furnaces is to heat combustible samples in order to analyze the ash residue. MSE FURNACE's ashing furnaces are designed to provide optimum ash conditions to ensure complete combustion of the sample. Ashing furnaces used to remove some components from the sample by combustion reaction under atmospheric conditions are designed to feed oxygen in sufficient quantities that the reaction requires as required by the system. It can be used safely in the ash experiments with the design suitable for carbon accumulation that can occur during the burning of organic, polymer and other petroleum-based materials. It is ideal for ash foods, plastics, coals, and other hydrocarbon materials. The double layer construction keeps the exterior body cool at high temperatures and provides excellent stability. The bottom air-flown design provides an excellent air circulation required during accurately.

- T_{max}. 1200°C
- Porous bottom plate and air duct base
- Air input 6 bar
- Optional resistance protection
- Programmable step controller via digital display
- Auto power cut when lid is open
- Temperature control via PID and $\pm 1^\circ\text{C}$ temperature display sensitivity
- Observation of set and real temperature
- Temperature measurement via thermocouple
- Delayed start and program save feature
- System protection for over temperature, audio visual warning alarm
- Error display in case a breakdown
- Heating on both sides**
- Exhaust gas outlet connected to inner volume
- High-quality fiber and brick insulated heat zone
- Epoxy painted galvanized-steel exterior
- Low external surface temperature (Ambient + 40°C) thanks to double-layers steel construction
- Able to resume the program after the power failure
- Height adjustable, non-slip rubber feet



LABORATORY SCALE FURNACES

ASHING FURNACE SERIES

Product Code	Max. Temperature °C	Volume (L)	Internal Dimensions		
			Width (mm)	Height (mm)	Depth (mm)
KK_1100_5	1100	5	170	170	175
KK_1100_8	1100	8	200	200	200
KK_1100_12	1100	12	200	200	300
KK_1100_15	1100	15	200	250	300
KK_1100_18	1100	18	250	250	300
KK_1100_25	1100	25	250	250	400
KK_1100_30	1100	30	300	250	400
KK_1100_36	1100	36	300	300	400
KK_1100_45	1100	45	360	310	410
KK_1100_*	1100	*	*	*	*

*Produced on demand by the customer.

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