

Six Unit Laboratory Electric Heating Furnace Multi Position Heating Stove

Item Number: KT-LLD



Introduction

Designed for industrial and scientific research, this multi unit electric heating furnace provides stepless temperature regulation, durable cold rolled steel housing, and safe flameless operation across simultaneous sample positions to maximize daily testing productivity.

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Application	Description	Key Benefit
Industrial Chemical Processing & Quality Control	Evaporation, refluxing, and thermal digestion of chemical reagents, polymers, and raw industrial samples across simultaneous processing stations.	Enhances quality assurance throughput while delivering uniform, reproducible thermal exposure across all batch samples.
Agricultural Chemistry & Soil Science	Soil digestion, mineral nutrient extraction, and agrochemical preparation requiring sustained heating of multiple digestion tubes or Kjeldahl flasks.	Multi-bank layout accelerates batch preparation times while minimizing bench footprint and overall energy consumption.
Mining, Metallurgy & Geological Assaying	Acid digestion of mineral ores, rock concentrates, and refractory metallurgical specimens in harsh, corrosive assay laboratories.	Sealed cast-iron heating plates eliminate open-flame ignition risks and resist aggressive acid fumes during prolonged boiling.
Academic & Scientific Research Laboratories	General laboratory heating, organic chemical synthesis, fractional distillation, and solution concentration in university and institutional facilities.	Stepless electronic control allows precise, responsive thermal tuning for sensitive reaction media and educational demonstrations.
Medical, Clinical & Healthcare Analysis	Specimen preparation, culture media dissolution, and diagnostic reagent heating under strict hygienic and safety protocols.	Flameless operation prevents contamination from combustion byproducts while maintaining steady, gentle heat for biological samples.
Environmental Testing & Water Quality Monitoring	Trace metal extraction, total organic matter digestion, and sample pre-concentration protocols for municipal water, wastewater, and effluent analysis.	Parallel multi-position stations ensure identical heating conditions across blanks, reference standards, and field specimens.
Commercial Food & Beverage Quality Testing	Soxhlet lipid extractions, solvent recovery, and moisture evaporation protocols across standard test vessel arrays.	Continuous stepless thermal delivery maintains stable solvent reflux rates without scorching delicate food matrices.

Model Identifier	Series / Surface Type	Specification / Format	Power Rating (W)	External Dimensions (L × W × H, mm)	Net Weight (kg)	Gross Weight (kg)
KT-LLD-1-1000	Open Coil Ceramic Cradle	Single-Position	1000	160 × 160 × 160	2.3	2.4
KT-LLD-1-2000	Open Coil Ceramic Cradle	Single-Position	2000	200 × 180 × 150	3.0	3.2
KT-LLD-2	Open Coil Ceramic Cradle	Two-Position (Dual Bank)	2 × 1000	300 × 160 × 150	4.0	4.2
KT-LLD-4	Open Coil Ceramic Cradle	Four-Position (Quad Bank)	4 × 1000	580 × 160 × 150	7.6	8.2
KT-LLD-6	Open Coil Ceramic Cradle	Six-Position (Hex Bank)	6 × 1000	855 × 160 × 150	11.4	12.2
KT-LLD-FL1	Enclosed Cast Iron (Flameless)	Single-Position	1000	150 × 150 × 140	2.6	2.7
KT-LLD-FL2	Enclosed Cast Iron (Flameless)	Single-Position	1500	150 × 150 × 140	1.8	2.0