

LUCIFER FURNACES

Manufacturer of Industrial Heat Treating Furnaces and Ovens



Series 7000 GT - Inert Atmosphere GT Box Furnaces – Floor Models

Floor Models for hardening, drawing, preheating, annealing, brazing, normalizing and special applications under inert atmosphere to 2100°F. GT Models are designed with a continuously welded furnace shell, gasketed door assembly, and atmosphere inlet and outlet ports for operation with a positive flow of higher atmosphere rates. These models are best suited for constant operation to maintain a dry refractory environment in the work area which minimizes oxidation on workloads. The GT system is a less expensive alternative compared to our atmosphere furnaces equipped with alloy muffles (AM Models).

Ruggedly constructed and rated for work loads up to 50 lbs. per square foot of hearth area. All models are completely wired to N.E.C., assembled, test fired, and shipped ready for connection to main power supply and regulated atmosphere pressure of 5 PSI. Compact design, fast installation, and simple, safe, dependable operation. Available in over thirty standard model sizes.

Standard Features

- Continuously welded sheet metal shell construction with structural reinforcement.
- Heavy gauge, coil wound low watt density heating elements suitable for atmospheres, for longer life.
- Multi-layered, energy efficient lightweight firebrick and mineral block insulation for maximum heat storage and minimum heat loss.
- Elements mounted in easy-to-replace holders located on side walls, door and back for uniform temperature.
- Hearth plate for load support and floor brick protection.
- Double-pivot horizontal swing door with high temperature ceramic fiber gasket, swing bolts and handles for tight seal.
- Safety micro-switch shuts off power to elements when door opens.
- Honeywell digital temperature controller with type K thermocouple and contactor.
- Controls are mounted in separate side mounted NEMA 1 panel and operate on 115 volts.



Options: Flow meters, regulators, oxygen analyzers, dew point indicators, program controllers, over temperature safety systems, timers, recorders, quench tanks, alternate door arrangements, computer interface, special voltages, gloves, tongs and foil wrap.

Model Specifications

MODEL	CHAMBER H" W" L"	OVERALL H" W" L"	KW	VOLTAGE	WEIGHT (LBS.)
7GT-M18	12 18 18	54 38 35	14	230/460/3	725
7GT-M24	12 18 24	54 38 41	15	230/460/3	810
7GT-M36	12 18 36	54 38 53	18	230/460/3	970
7GT-M48	12 18 48	54 38 65	23	230/460/3	1165
7GT-O18	18 18 18	60 38 35	15	230/460/3	930
7GT-O24	18 18 24	60 38 41	20	230/460/3	1035
7GT-O36	18 18 36	60 38 53	25	230/460/3	1295
7GT-O48	18 18 48	60 38 65	32	230/460/3	1550
7GT-P18	18 24 18	60 44 35	20	230/460/3	1100
7GT-P24	18 24 24	60 44 41	23	230/460/3	1220
7GT-P36	18 24 36	60 44 53	32	230/460/3	1525
7GT-P48	18 24 48	60 44 65	40	230/460/3	1830
7GT-R24	24 24 24	60 44 41	30	230/460/3	1765
7GT-R36	24 24 36	60 44 53	45	230/460/3	2115
7GT-R48	24 24 48	60 44 65	50	230/460/3	2540