

# LUCIFER FURNACES

Manufacturer of Industrial Heat Treating Furnaces and Ovens



## Series 7000 GT - Inert Atmosphere GT Box Furnaces – Bench Models

Bench 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 atmosphere, 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:** Floor stands (add 23" to overall H dimension and 10" to W dimension), 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-A6	6 6 6	24 20 26	1.8	115/1	245
7GT-A9	6 6 9	24 20 26	2	115/1	275
7GT-A12	6 6 12	24 20 29	3.5	230/1	305
7GT-A18	6 6 18	24 20 35	4	230/1	335
7GT-B9	9 9 9	27 23 29	4	230/460/1	370
7GT-B12	9 9 12	27 23 29	5	230/460/1	395
7GT-B18	9 9 18	27 23 35	6.5	230/460/1	435
7GT-B24	9 9 24	27 23 41	8.5	230/460/1	480
7GT-H12	9 12 12	27 26 29	6	230/460/1	450
7GT-H18	9 12 18	27 26 35	8.5	230/460/1	505
7GT-H24	9 12 24	27 26 41	10	230/460/1	560
7GT-H36	9 12 36	27 26 53	14	230/460/3	675
7GT-K12	12 12 12	31 26 29	6.5	230/460/1	510
7GT-K18	12 12 18	31 26 35	10	230/460/1	575
7GT-K24	12 12 24	31 26 41	13	230/460/3	635
7GT-K36	12 12 36	31 26 53	15	230/460/3	770

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