

7000GT SERIES GAS TIGHT ATMOSPHERE FURNACE



INERT ATMOSPHERE GT BOX FURNACE

Bench and Floor Models for hardening, drawing, preheating, annealing, brazing, normalizing, and special applications under inert atmosphere to 2100°F. The 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 to minimize 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, assembled, test-fired, and shipped ready for connection to the 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 a tight seal.
- Safety micro-switch shuts off power to elements when the door opens.
- Eurotherm digital temperature controller with type K thermocouple and contactor.
- Controls are mounted in separate side-mounted NEMA 1 panels and operate on 115 volts.

MODEL SPECIFICATIONS

| Model | Chamber Dimensions | Overall Dimensions | KW | Voltage | Weight (lbs) |
|---------|--------------------|--------------------|-----|---------|--------------|
| 7GT-B12 | 9"H X 9"W X 12"D | 27"H X 23"W X 29"D | 5 | 230/460 | |
| 7GT-B18 | 9"H X 9"W X 18"D | 27"H X 23"W X 35"D | 6.5 | 230/460 | |
| 7GT-H12 | 9"H X 12"W X 12"D | 27"H X 26"W X 29"D | 6 | 230/460 | |
| 7GT-H18 | 9"H X 12"W X 18"D | 27"H X 26"W X 35"D | 8.5 | 230/460 | |
| 7GT-H24 | 9"H X 12"W X 24"D | 27"H X 26"W X 41"D | 10 | 230/460 | |
| 7GT-K12 | 12"H X 12"W X 12"D | 31"H X 26"W X 29"D | 6.5 | 230/460 | |
| 7GT-K18 | 12"H X 12"W X 18"D | 31"H X 26"W X 35"D | 10 | 230/460 | |
| 7GT-K24 | 12"H X 12"W X 24"D | 31"H X 26"W X 41"D | 13 | 230/460 | |
| 7GT-K36 | 12"H X 12"W X 36"D | 31"H X 26"W X 47"D | 15 | 230/460 | |
| 7GT-M18 | 12"H X 18"W X 18"D | 54"H X 38"W X 35"D | 14 | 230/460 | |
| 7GT-M24 | 12"H X 18"W X 24"D | 54"H X 38"W X 41"D | 15 | 230/460 | |
| 7GT-M36 | 12"H X 18"W X 36"D | 54"H X 38"W X 47"D | 18 | 230/460 | |
| 7GT-O18 | 18"H X 18"W X 18"D | 60"H X 38"W X 35"D | 15 | 230/460 | |
| 7GT-O24 | 18"H X 18"W X 24"D | 60"H X 38"W X 41"D | 20 | 230/460 | |
| 7GT-O36 | 18"H X 18"W X 36"D | 60"H X 38"W X 47"D | 25 | 230/460 | |
| 7GT-O48 | 18"H X 18"W X 48"D | 60"H X 38"W X 53"D | 32 | 230/460 | |
| 7GT-P24 | 18"H X 24"W X 24"D | 60"H X 44"W X 41"D | 23 | 230/460 | |
| 7GT-P36 | 18"H X 24"W X 36"D | 60"H X 44"W X 47"D | 32 | 230/460 | |
| 7GT-P48 | 18"H X 24"W X 48"D | 60"H X 44"W X 53"D | 40 | 230/460 | |
| 7GT-R24 | 24"H X 24"W X 24"D | 60"H X 44"W X 41"D | 30 | 230/460 | |
| 7GT-R36 | 24"H X 24"W X 36"D | 60"H X 44"W X 53"D | 45 | 230/460 | |
| 7GT-R48 | 24"H X 24"W X 48"D | 60"H X 44"W X 65"D | 50 | 230/460 | 1590 |