8000 GAS TIGHT DUAL CHAMBER FURNACES

LUCIFER FURNACES

Model 82GT-M24

INTER ATMOSPHERE GT DUAL CHAMBER

Unique "Space Saver" design offers the convenience and economy of two independently controlled chambers in one packaged assembly. The upper chamber (Hardening) is designed for operation with inert protective atmosphere to 2100°F. This chamber is constructed with a continuously welded shell, gasketed door assembly, and inlet and outlet ports for operation with a positive flow of atmosphere. 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 atmosphere alternative compared to our furnaces equipped with alloy muffles (AM Models).

The lower chamber (Tempering) is complete with a stainless steel liner and fan to recirculate heat for uniform temperature. Available in operating temperatures of 800°F (88), 1200°F (82), 1400°F (84), and 1600°F (86). 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 main power supply. Compact design, fast installation, simple, safe, dependable operation, providing a complete heat treat station in one furnace. Available in over thirty standard models sizes.

STANDARD FEATURES

- Continuously welded upper chamber sheet metal shell construction.
- Both chambers are designed with the same working dimensions.

- 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.
- Hearth plate for load support and floor brick protection in the upper chamber.
- Manual vertical lift upper chamber door with high-temperature ceramic fiber gasket with swing bolts and handles for tight seal.
- Safety micro-switch shuts off power to elements when the door opens.
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor on each chamber.
- Controls are mounted in a side-mounted NEMA 1 panel and operate on 115 volts.

MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
82GT-024	18"H X 18"W X 24"D	96"H X 39"W X 50"D	33	230/460	
82GT-R36	24"H X 24"W X 36"D	114"H X 48"W X 65"D	65	230/460	