

# LUCIFER FURNACES

Manufacturer of Industrial Heat Treating Furnaces and Ovens



## Series 3027GT-High Temperature Inert Atmosphere GT Box Furnaces

Compact space saving furnaces designed with silicon carbide heating elements for operation with inert protective atmosphere to 2500°F(BB) or 2750°F(CL). Ideal for laboratories, tool & die facilities, machine shops and ceramic applications. 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 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 chamber is ruggedly constructed, lined with firebrick insulation with silicon carbide heating elements mounted above and below the hearth for uniform heat. Complete with tapped power transformer and selector switches for regulating voltage to the heating elements providing longer life.

All models are completely wired, assembled, test fired and shipped ready for connection to main power and regulated atmosphere supply of 5 PSI. Available in nine standard model sizes.



CL3027GT-K12

### Standard Features

- Continuously welded sheet metal shell construction with structural reinforcement.
- Silicon carbide elements mounted above and below the hearth.
- Tapped power transformer and selector switches for a 70% element resistance increase.
- Multi-layered 7.5" of firebrick and mineral wool insulation.
- Silicon carbide hearth plates support the work load and transfer heat from the floor elements.
- Double-Pivot horizontal swing door with gasket seals against furnace faceplate.
- Safety micro-switch shuts off power to elements when door opens.
- Honeywell digital temperature controller with type R thermocouple.
- Controls mounted below furnace in enclosed cabinet and operate on 115 volts.

### Model Specifications

MODEL	CHAMBER			OVERALL			KW		VOLTAGE
	H"	W"	L"	H"	W"	L"	2500°F	2750°F	
3027GT-B12	9	9	12	62	40	32	10	12	230/3
3027GT-B18	9	9	18	62	40	38	13	16	230/3
3027GT-K12	12	12	12	65	43	32	12	15	230/3
3027GT-K18	12	12	18	65	43	38	17	19	230/3
3027GT-K24	12	12	24	65	43	44	20	24	230/3
3027GT-K36	12	12	36	65	43	56	28	33	230/3
3027GT-M18	12	18	18	65	49	38	21	25	230/3
3027GT-M24	12	18	24	65	49	44	26	30	230/3
3027GT-M36	12	18	36	65	49	56	36	42	230/3

Note: maximum temperature will vary depending on type of atmosphere

**Options:** Flow meters, regulators, oxygen analyzers, dew point indicators, program controllers, over temperature safety systems, timers, recorders, quench tanks, computer interface, gloves and tongs.

2048 Bunnell Road - Warrington, PA 18976  
info@luciferfurnaces.com

Tel: 800-378-0095 Fax: 215-343-7388  
www.luciferfurnaces.com