

4000 SERIES - GAS TIGHT ATMOSPHERE OVEN



SAFE, SIMPLE, & DEPENDABLE

Recirculating ovens for tempering, drawing, annealing and preheating steel, aluminum, glass and ceramics under inert atmosphere. Available at operating temperatures of 1200°F(42), 1400°F(44), 1600°F(46) and 1800°F(49). 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).

All models are equipped with an alloy fan assembly and stainless steel liner providing a horizontal air flow pattern and uniform temperature throughout the chamber. The liner directs the air flow and baffles the heating elements from the work area. The 4055 models are heavier duty units featuring 50 lbs/sq ft loading capacity, 6.5" of insulation on the walls, hard brick work surface, belt driven fan and controls located in separate side mounted control panel.

All models are completely wired to N.E.C., assembled, test fired and shipped ready for connection to main power and regulated atmosphere pressure of 5 PSI. Compact design, fast installation, and simple, safe, dependable operation. Available in over thirty standard models sizes.



Model 46GT-P24

STANDARD FEATURES

- Continuously welded sheet metal shell construction with structural reinforcement.
- Heavy gauge, coil wound low watt density heating elements 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 for uniform temperature.
- Stainless steel fan with atmosphere seal, motor and belt drive.
- Stainless steel liner which forms work area and directs air flow.
- Hearth plate for load support and floor brick protection on Series 4055 models.
- Double-pivot horizontal swing door with high temperature ceramic fiber gasket, swing bolts and handles for tight seal.

STANDARD FEATURES

- Safety micro-switch shuts off power to elements and fan when door opens.
- Eurotherm digital temperature controller with type K thermocouple and magnetic contactor.
- Controls operate on 115 volts and mounted in front base on Series 42 models, and side mounted in a separate NEMA 1 panel on Series 4055 models.

42 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
42GT-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	3.5	230/460/1	355
42GT-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	4.5	230/460/1	465
42GT-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	4	230/460/1	
42GT-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	5.5	230/460/1	570
42GT-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	6.5	230/460/1	645
42GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	5	230/460/1	490
42GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	6.5	230/460/1	620
42GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	8.5	230/460/3	710
42GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	12	230/460/3	860
42GT-M18	12"H X 18"W X 18"D	56"H X 32"W X 42"D	9	230/460/3	
42GT-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	12	230/460/3	750
42GT-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	14	230/460/3	915
42GT-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	12	230/460/3	735
42GT-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	14	230/460/3	840
42GT-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	17	230/460/3	1050
42GT-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	15	230/460/3	1300
42GT-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	19	230/460/3	1450
42GT-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	22	230/460/3	1800
42GT-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	18	230/460/3	1600
42GT-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	22	230/460/3	1900
42GT-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	30	230/460/3	2300
42GT-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	38	230/460/3	2700

44 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
44GT-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	3.5	230/460/1	355
44GT-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	4.5	230/460/1	465
44GT-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	4	230/460/1	
44GT-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	5.5	230/460/1	570
44GT-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	7.5	230/460/1	645
44GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	5.5	230/460/1	490
44GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	7.5	230/460/1	620
44GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	9.5	230/460/3	710
44GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	13	230/460/3	860
44GT-M18	12"H X 18"W X 18"D	56"H X 32"W X 42"D	9.5	230/460/3	
44GT-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	13	230/460/3	750
44GT-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	15	230/460/3	915
44GT-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	13	230/460/3	735
44GT-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	15	230/460/3	840
44GT-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	18	230/460/3	1050
44GT-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	16	230/460/3	1300
44GT-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	22	230/460/3	1450
44GT-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	24	230/460/3	1800
44GT-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	20	230/460/3	1600
44GT-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	24	230/460/3	1900
44GT-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	32	230/460/3	2300
44GT-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	42	230/460/3	2700

46 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
46GT-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	4.5	230/460/1	355
46GT-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	5	230/460/1	465
46GT-H12	9"H X 12"W X 12"D	56"H X 25"W X 42"D	4.5	230/460/1	
46GT-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	7	230/460/1	570
46GT-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	9	230/460/1	645
46GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	6	230/460/1	490
46GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	9	230/460/1	620
46GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	11	230/460/3	710
46GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	14	230/460/3	860
46GT-M18	12"H X 18"W X 18"D	56"H X 32"W X 42"D	11	230/460/3	
46GT-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	14	230/460/3	750
46GT-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	16	230/460/3	915
46GT-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	14	230/460/3	735
46GT-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	16	230/460/3	840
46GT-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	20	230/460/3	1050
46GT-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	18	230/460/3	1300
46GT-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	24	230/460/3	1450
46GT-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	28	230/460/3	1800
46GT-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	24	230/460/3	1600
46GT-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	28	230/460/3	1900
46GT-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	35	230/460/3	2300
46GT-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	44	230/460/3	2700

48 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
48GT-B12	9"H X 9"W X 12"D	56"H X 22"W X 36"D	2.5	230/460/1	355
48GT-B18	9"H X 9"W X 18"D	56"H X 22"W X 42"D	3.5	230/460/1	465
48GT-H12	9"H X 12"W X 12"D	56"H X 22"W X 36"D	3	230/460/1	
48GT-H18	9"H X 12"W X 18"D	56"H X 25"W X 48"D	5	230/460/1	570
48GT-H24	9"H X 12"W X 24"D	56"H X 25"W X 48"D	6	230/460/1	645
48GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	4.5	230/460/1	490
48GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	6	230/460/1	620
48GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	7.5	230/460/3	710
48GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	9	230/460/3	860
48GT-M18	12"H X 18"W X 18"D	56"H X 31"W X 48"D	7.5	230/460/3	
48GT-M24	12"H X 18"W X 24"D	56"H X 32"W X 48"D	9	230/460/3	750
48GT-M36	12"H X 18"W X 36"D	56"H X 32"W X 60"D	11	230/460/3	915
48GT-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	10	230/460/3	735
48GT-O24	18"H X 18"W X 24"D	62"H X 32"W X 53"D	11	230/460/3	840
48GT-O36	18"H X 18"W X 36"D	62"H X 32"W X 65"D	15	230/460/3	1050
48GT-P24	18"H X 24"W X 24"D	62"H X 39"W X 53"D	14	230/460/3	1300
48GT-P36	18"H X 24"W X 36"D	62"H X 39"W X 65"D	17	230/460/3	1450
48GT-P48	18"H X 24"W X 48"D	62"H X 39"W X 77"D	20	230/460/3	1800
48GT-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	15	230/460/3	1600
48GT-R36	24"H X 24"W X 36"D	62"H X 39"W X 65"D	20	230/460/3	1900
48GT-R48	24"H X 24"W X 48"D	62"H X 39"W X 77"D	28	230/460/3	2300
48GT-S48	24"H X 36"W X 48"D	62"H X 51"W X 65"D	33	230/460/3	2700

49 MODEL SPECIFICATIONS

Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
49GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	6.5	230/460/1	
49GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	10	230/460/1	
49GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	12	230/460/1	
49GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	15	230/460/1	
49GT-M18	12"H X 18"W X 18"D	56"H X 32"W X 42"D	12	230/460/1	
49GT-M24	12"H X 18"W X 24"D	56"H X 22"W X 36"D	15	230/460/1	355
49GT-M36	12"H X 18"W X 36"D	56"H X 22"W X 42"D	18	230/460/1	465
49GT-O18	18"H X 18"W X 18"D	62"H X 32"W X 48"D	16	230/460/1	
49GT-O24	18"H X 18"W X 24"D	56"H X 25"W X 48"D	18	230/460/1	570
49GT-O36	18"H X 18"W X 36"D	56"H X 25"W X 48"D	24	230/460/1	645
49GT-P24	18"H X 24"W X 24"D	56"H X 25"W X 48"D	20	230/460/1	620
49GT-P36	18"H X 24"W X 36"D	56"H X 25"W X 48"D	30	230/460/3	710
49GT-P48	18"H X 24"W X 48"D	56"H X 25"W X 60"D	34	230/460/3	860
49GT-R24	24"H X 24"W X 24"D	62"H X 39"W X 53"D	28	230/460/3	
49GT-R36	24"H X 24"W X 36"D	56"H X 32"W X 48"D	34	230/460/3	750
49GT-R48	24"H X 24"W X 48"D	56"H X 32"W X 60"D	39	230/460/3	915
49GT-S48	24"H X 36"W X 48"D	62"H X 32"W X 53"D	48	230/460/3	840
Model	Chamber Dimensions	Overall Dimensions	KW	Voltage	Weight (lbs)
49GT-K12	12"H X 12"W X 12"D	56"H X 25"W X 36"D	6.5	230/460/1	
49GT-K18	12"H X 12"W X 18"D	56"H X 25"W X 48"D	10	230/460/1	
49GT-K24	12"H X 12"W X 24"D	56"H X 25"W X 48"D	12	230/460/1	
49GT-K36	12"H X 12"W X 36"D	56"H X 25"W X 60"D	15	230/460/1	