

# Colorado

## MULTI-PURPOSE HIGH TEMPERATURE FURNACE



- ✓ **UNIQUE DYNA-GLOW ELEMENT HOLDERS:**  
Provide easier maintenance and more efficient firing of the kiln, helps prevent dusting. Elements won't fall out of roof.

Use for Heat Treating, Brazing, Stress Relieving, Glass Slumping, Fusing, Glass Blowing, Lamp Working, Glass Annealing, Quartz Annealing, Staining, Laminating, Ceramics, Metal Annealing, Ceramics, Melting, Test Firing, Enameling, Laboratory Tests, Etc.

- ✓ **DYNATROL PROGRAM CONTROL:** 6 user defined programs with 8 segments each.
- ✓ **ELEMENTS ON TOP, BOTTOM AND SIDES**  
Achieve +/-25°F or better temperature uniformity within the firing chamber. There is plenty of power for fast heat up.
- ✓ **2350°F - 1287°C - CONE 10**
- ✓ **COUNTERBALANCE VERTICAL DOOR**  
Operates with one hand. Handle stays cool to touch.
- ✓ **SLOT IN DOOR**  
There is a 2" by 3" high slot in the bottom of the door. You can work through the slot while opening and closing the door. Includes removable insulated plug with a handle.
- ✓ **ALUMINIZED STEEL DOOR, STAINLESS STEEL CASE, POWDER COATED BASE**  
For long life and excellent corrosion resistance.
- ✓ **BENCH MOUNTED ON HEAVY DUTY BASE:**  
There is an air space between the furnace and base (where the controls are located.) This keeps the controls cool.
- ✓ **LONG LIFE ELEMENTS:** Low watt density iron-aluminum-chrome elements insure long operating life.
- ✓ **FIRST QUALITY FIREBRICK:** Firebrick has reflective ceramic coating - reduces dusting, aids brick life and increases operating efficiency. 3" firebrick on top (for extra strength), 2-1/2" on other surfaces.
- ✓ **MULTI-VOLTAGE:** Furnace will operate on any single phase voltage from 200 volts to 240 volts, 50 Hz or 60 Hz. Truly a universal furnace.
- ✓ **DOOR CUT OFF SWITCH**  
Turns power off when door opens.
- ✓ **ON/OFF TOGGLE SWITCH**
- ✓ **FOUR LIFTING HANDLES**
- ✓ **POWER CORD INCLUDED**  
30 amp "Dryer Cord" (14-30P)
- ✓ **CERAMIC HEARTH PLATE**



**and KILN MFG, INC**

**FOR OVER 50 YEARS... THE KILN TECHNOLOGY LEADER**

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## DYNA-GLOW HARD CERAMIC ELEMENT HOLDERS

- ✓ Elements Won't Fall Out of the Roof
- ✓ Lower Electrical Cost
- ✓ Cleaner Kiln
- ✓ Easier Element Replacement
- ✓ Better Heat Distribution
- ✓ Better Gradient Uniformity
- ✓ Add Years to Kiln Life
- ✓ Longer Element Life
- ✓ Longer Firebrick Life



WHAT DOES IT MEAN TO YOU?

## DYNA-TROL PROGRAM CONTROL WITH SIX STORABLE PROGRAMS

There are 6 separate repeatable storable programs with up to 8 segments (there is a cooling or heating ramp, a temperature setpoint and an optional hold time per segment). The **DYNA-TROL** allows you to soak at a low temperature for a long time (i.e. you can have an automatic drying period) and then automatically ramp up to your high fire at different rates. It also allows a controlled cool down to avoid heat shock and provide for proper annealing cycles. Delay firing up to 99 hours, 99 minutes. There are also four preset "Easy-fire" programs with patented Orton technology for firing ceramics. Review program and/or specific segment. Restarts after brief power interruption. Cone Look-Up Table for ceramics. This is a very flexible reliable control that provides sophisticated capabilities and simple operation. A very detailed instruction book is included.



## SPECIFICATIONS FOR MODEL GQ1714

### INSIDE DIMENSIONS:

17" (43 CM) wide by 12" (30.5 CM) high  
by 14-1/2" (37 CM) deep

**FIRING CAPACITY:** 1.71 Cubic Feet,  
2958 cubic inches, .048 Cubic Meters

### HEARTH PLATE DIMENSIONS::

16" (40.6 CM) wide by 13" (33 CM)  
deep by 5/8" (1.6 CM) thick

### EXTERIOR DIMENSIONS:

24" (61 CM) wide by 25-1/2"  
(65 CM) high by 31" (79 CM) deep  
42" (106 CM) high with door open

### POWER SUPPLY REQUIRED:

30 Amp, Fuse 30 Amps, 14-30P cord  
supplied (neutral not used).

### MULTI VOLTAGE:

Operate on any single phase voltage from  
200 volts to 240 volts, 50 Hz or 60 Hz.

At 240 Volts: 6000 watts, 25.0 Amps

At 220 Volts: 5042 watts, 22.9 Amps

At 208 Volts: 4507 watts, 21.7 Amps

At 200 Volts: 4167 watts, 20.9 Amps

### SHIPPING DIMENSIONS AND

**CLASS:** 44" (112 cm) by 36" (91 cm)  
by 36" (91 cm) high. Shipped in a skidded carton.  
Shipping class is 85.

**SHIPPING WEIGHT::** 275 pounds, 125 KG



Shown with the door plug removed.