**Radiant Process Heaters**

**Style RPG Panel Heater**

**Style RPG High Temperature Glass Face Infrared Panel Heaters**

**Design Features**
- Panel heater can be mounted in any direction
- High temperature transparent red/black glass emitter face
- Precision wound resistance wire
- Milled ceramic fiberboard to hold resistance wire, cemented in place
- Heavy gauge aluminized steel enclosure box standard
  Optional: 304 Stainless Steel

**Constitution Characteristics**

The Tempco Style RPG Radiant Panel Heater has a red/black high temperature ceramic glass for the exterior radiant surface. The RPG Radiant Panel Heater is the ideal heater when a cleanable surface is required, such as for the bottom heaters of a thermoforming oven.

Behind the glass, a 1" thick ceramic fiberboard is milled out to support the helically wound iron/chromium/aluminum alloy based resistance element. The resistance coils are placed into the precision machined grooves in the fiberboard and cemented into place. Ceramic cloth is placed between the glass and the resistance coil.

Tempco Style RPG Radiant Heaters can transmit up to 78.5% of the input energy and can be positioned as close as 2 to 4" from the material being heated.

**SPECIFICATIONS**

- **Maximum Size:** In addition to the standard sizes listed below; custom sizes up to 34"W × 36"L can be manufactured.
- **Thickness:** Standard — 3", Optional — 1.5" to 5"
- **Maximum Watt Density:** 20 Watts/in²
- **Maximum Voltage:** Voltage can be single, dual or 3-phase up to 600 VAC (depending on heater size and wattage)
- **Maximum Face Temperature:** 750°C (1382°F)
- **Wavelength Range:** Between 2.5 and 6.0 microns (µm)
- **Distributed Wattage and Zoning:** Yes, dependent on size

**Typical Applications**
- Moisture Removal
- Paint Drying
- Glass Processing
- Curing of plastic coatings, paint, ink, etc.
- Thermoforming
- Heat Setting
- Film Shrinking
- Blister Packaging
- Food Processing
- Textile Drying

**Standard (Non-Stock) Sizes and Ratings of Style RPG High Temperature Glass Infrared Panel Heaters**

To complete the part numbers below, include the designated number that applies to the following options:

- **0** = Plain, no thermowell or T/C
- **1** = Thermowell only
- **2** = Thermowell and type K T/C
- **3** = Thermowell and type J T/C

Available Thermowell/Thermocouple types and descriptions can be found on page 7-95.

For the part numbers below, if a thermowell is specified, the standard Side Mount Thermowell with Clamp is supplied.

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<th>Length (in)</th>
<th>10W/in²</th>
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