

Quartz Composite Radiant Panel

The V-Series Panel

Introducing the revolutionary V-series heater. The V-series is perfect for applications that require high power, tight process control, and fast heat-up/ cool-down. V-Shaped stamped elements have low mass for fast heating/ cooling and minimal thermal lag for extremely tight process control. The elements are bonded to a high temperature insulation board having low thermal conductivity, low thermal mass and low heat capacity to minimize stored heat so they can be switched on and off in seconds. This makes them ideal for processing heat sensitive products such as coated webs and textiles. V-series heaters offer power densities and response times that rival those of short wavelength heaters except they come in a very durable construction and have a medium wavelength output which is readily absorbed by most products. Therefore, they are ideally suited for drying water or solvents as well as heating plastics, glass, etc.



Features:

- Element temperatures up to 2,100 °F (2 micron peak wavelength)
- Typical life expectancy of 12,000+ hours, depending on temperature.
- Heater wattages up to 100 watts per square inch
- Can be operated in any plane without any element sag or "coil creep"
- Stainless steel screen protects face
- Maintenance free
- Various voltages up to 600V
- Superior mechanical strength
- 1/4" -20 mounting studs
- Electrical junction box

Benefits:

The unique V-shaped element provides numerous performance improvements over conventional stamped element heaters including the following:

- Reduced cost
- Faster heat-up and cool-down
- Higher watt density
- Reduced thermal back-losses
- More robust construction (no need for special handling or shipping)
- More freely radiating design
- Longer life
- Elimination of hot spots
- Improved heating uniformity

Optional Features:

- Replaceable type K thermocouple
- Air holes for extremely fast cool down and/or to provide scrubbing action in drying applications.
- Pre-mounted fans
- Multi-zone heaters
- Pyrometer view port through heater
- Stainless steel housing
- No housing (heater board only)
- Wire leads

