

# V-Series

Medium Wavelength  
Infrared Panel Heaters

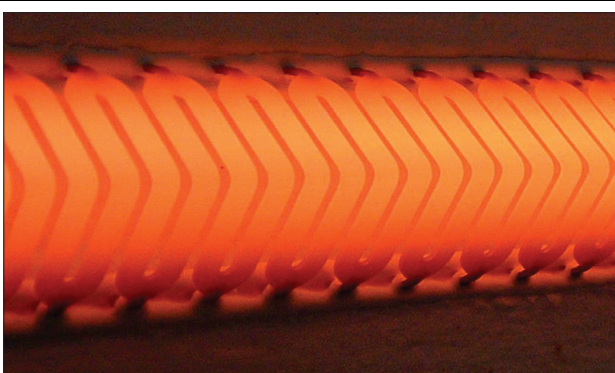
**Fast Response**

Parallelogram modules for zoning across wide webs



Back-mounted fans

Pyrometer view  
port through heater



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

Introducing the revolutionary V-series heater for industrial process heating applications. 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.

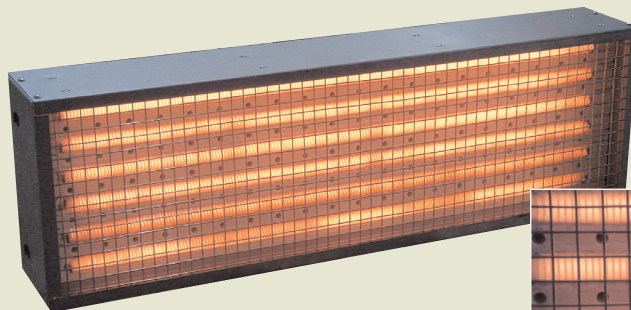


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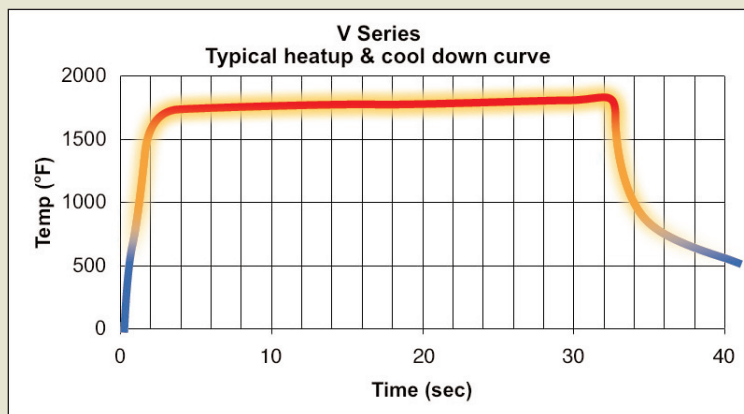
# V-Series *Fast Response Medium Wavelength Infrared Panel Heaters*

Solar Products infrared heaters are used in many industries & applications including:

- Adhesives
- Annealing
- Automotive
- Batteries
- Carpeting
- Coatings
- Composites
- Curing
- Drying
- Electronics
- Extrusion
- Fiberglass
- Fiber Optics
- Films
- Filter Media
- Foil
- Glass
- Hose & Tubing
- Industrial Fabrics
- Medical
- Nonwovens
- Paint Finishing
- Paper
- Pipe/Conduit
- Plastics
- Powder Coating
- Printing
- Semiconductor
- Textiles
- Tubing
- Wall Coverings
- Wire & Cable



Air holes between elements for cooling/scrubbing



Fast heatup and cooldown time

## Standard 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
- Rugged aluminized steel housing
- 1/4-20 mounting studs
- Electrical junction box

## 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

At Solar Products, we specialize in building custom infrared heaters. Not ovens . . . not systems . . . just the best infrared heaters on the market.

We have been the largest supplier of electric infrared heaters for the OEM market for 50 years because we support our OEM customers; we do not compete against them. Choose from thousands of existing designs or have us engineer a custom heater specifically for your application.

