



Quartz infrared heater provides short to medium wavelength radiation and can be the most preferred source of heat when rapid heater response is needed. They are used and preferred in industrial applications where a more rapid heater response is required. Quartz infrared heating elements are particularly effective in systems where rapid heater response and/or zone-controlled heating is required. Operating up to 750°C (1380°F), quartz infrared heater produces wavelengths in the 1.5 - 8-micron spectrum, slightly shorter than ceramic elements. With a standard voltage of 230V, standard wattages range between 150W and 1000W. Quartz elements have the same mounting fixture as ceramic elements

allowing easy replacement. This easy change heating element is ideal for design alterations involving the use of materials with different absorption characteristics. The standard quartz infrared heater range consists of cassette style elements constructed with aluminium steel as standard, stainless steel is also an option. These emitters have peak emissions in the medium to long wavelength range. These elements are commonly used in a wide range of industrial heating and drying applications.

Application

Quartz infrared heater provides instant heat response wherever it's needed, across a variety of industrial applications. Normally favored and used where rapid heater response and/or zone-controlled heating is required, quartz elements heat up in seconds, far less time than ceramic heaters. This makes them particularly efficient and effective in plastic thermoforming, curing, and heater systems with long heater-off cycles.

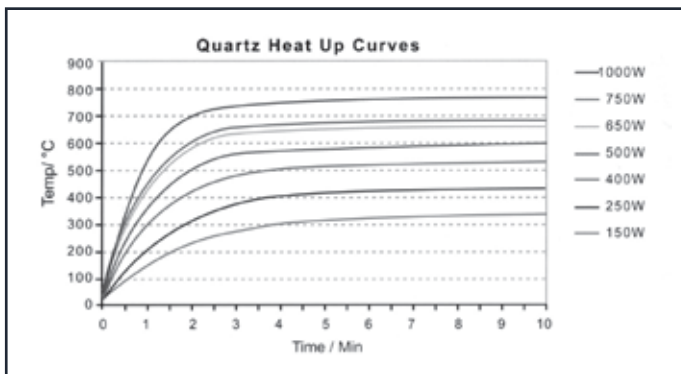
- Food Processing
- Shrink Packaging Tunnels
- Laminating
- Thermoforming
- Plastic Forming
- Fusing Plastics
- Sterilization
- Sealing
- Drying Textiles
- Drying Lacquers and Paints
- Thermal Copying Equipment
- Curing of coatings
- Glass & metal heat treating



- Based on FQE test of surface temperature with an infrared non-contact thermometer set at an emissivity of 0.7 (with the element mounted in an aluminised steel reflector, RAS)
- For HQE and QQE divide the wattage by two and four respectively
- These temperatures can also be assumed for pillared elements

Standard Features

- Iron-chrome aluminium resistance wire.
- Heater Voltage: 230 Volts standard. (other voltages available on request)
- Useful wavelength range: 5 to 8 Microns -Average Operating Life: 5,000 - 10,000 Hours.
- Recommended radiation distance from heater is 100mm to 200 mm.
- Supplied with 100mm± 10mm ceramic beaded power leads.



Cat No.	Description	Wattage
FQE 1000 Watt	247 x 62.5 x 22 mm	1000
FQE 750 Watt	247 x 62.5 x 22 mm	750
FQE 650 Watt	247 x 62.5 x 22 mm	650
FQE 500 Watt	247 x 62.5 x 22 mm	500
FQE 400 Watt	247 x 62.5 x 22 mm	400
FQE 250 Watt	247 x 62.5 x 22 mm	250
FQE 150 Watt	247 x 62.5 x 22 mm	150
HQE 500 Watt	124 x 62.5 x 22 mm	500
HQE 325 Watt	124 x 62.5 x 22 mm	325
HQE 250 Watt	124 x 62.5 x 22 mm	250
HQE 200 Watt	124 x 62.5 x 22 mm	200
QQE 250 Watt	62.5 x 62.5 x 22 mm	250
QQE 150 Watt	62.5 x 62.5 x 22 mm	150
SQE 1000 Watt	124 x 124 x 22 mm	1000
SQE 750 Watt	124 x 124 x 22 mm	750
SQE 650 Watt	124 x 124 x 22 mm	650
SQE 500 Watt	124 x 124 x 22 mm	500
SQE 400 Watt	124 x 124 x 22 mm	400
SQE 250 Watt	124 x 124 x 22 mm	250
SQE 150 Watt	124 x 124 x 22 mm	150