

Quartz infrared panels provide infrared radiation in the medium wavelength range of 1.4 and 5.6 μm . They are favoured in industrial applications where rapid heat response is necessary. They are most cost effective in systems with long heat off cycles as they reach operating temperature in a matter of seconds.

They have a recommended radiation distance of 100 - 200 mm. The heaters can be installed in reflectors, projectors or panels for improved efficiency. In moving heaters arrangements the elements should be fitted with tubes at right angles to the direction of travel.

Usual applications

- Paint drying steel panels - Acrylic
- Paint drying steel panels - Epoxy
- PVC paste curing
- ABS forming
- Polystyrene forming
- Polyethylene forming
- Polypropylene forming
- Powder paint
- Pre-lacquering

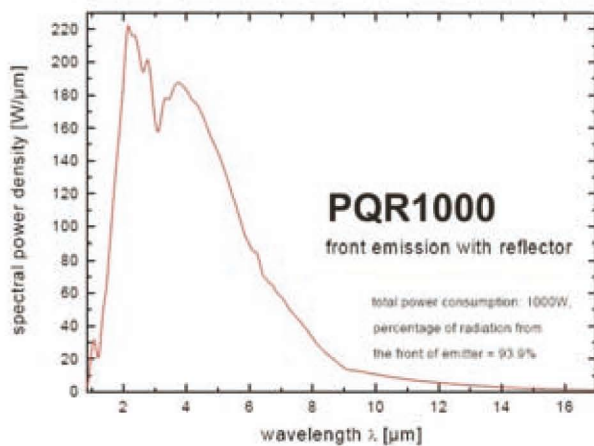
General characteristics

The quartz infrared panels are composed of:

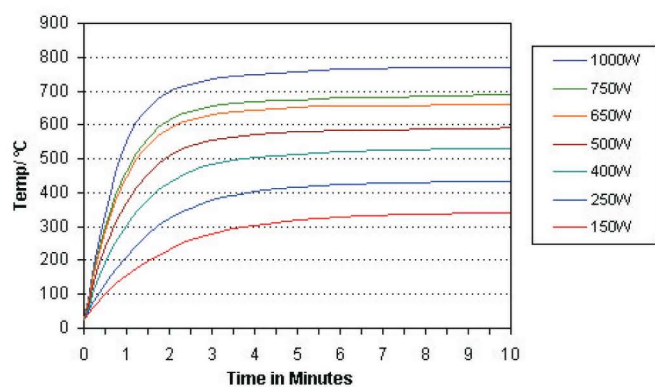
- Iron-chrome aluminium resistance wire.
- Parallel translucent quartz tubes.
- Highly reflective aluminised steel body that ensures a low loss of radiation from the back of the heater.

- Two M5 x 30 mm screws which extend from the rear of the heater.
- Supplied with 100mm \pm 10mm ceramic beaded power leads.
- Element dimensions and design can be adjusted to suit customers heating requirements.
- Quartz elements can also be supplied with an in-built type K thermocouple.

Infrared Spectrum for PQR1000 model



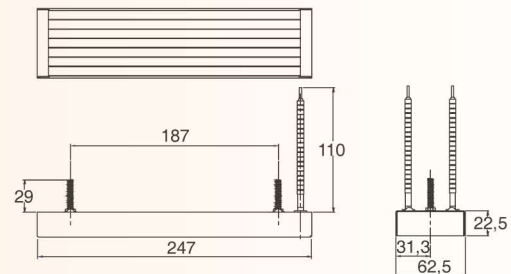
Heat Up Graph for PQR / PQP / PQC models



- Based on OSC test of average surface temperature with an infrared thermometer set at an emissivity of 0.7
- For PQP divide the wattage by 2
- For PQC divide the wattage by 4

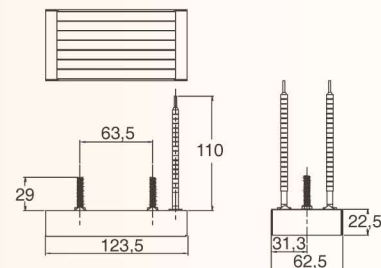
QUARTZ INFRARED PANELS, MODELS PQR, 247 x 62,5 mm

Code	Volts	Watts	W/cm ²	Average Surface Temperature	Wavelength	Weight in Kg
PQR150	~230 V	150	0,9	343 °C	1,5 a 8 μm	0,39
PQR250	~230 V	250	1,6	438 °C	1,5 a 8 μm	0,39
PQR400	~230 V	400	2,6	542 °C	1,5 a 8 μm	0,39
PQR500	~230 V	500	3,2	593 °C	1,5 a 8 μm	0,39
PQR650	~230 V	650	4,2	664 °C	1,5 a 8 μm	0,39
PQR750	~230 V	750	4,9	690 °C	1,5 a 8 μm	0,39
PQR1000	~230 V	1000	6,5	772 °C	1,5 a 8 μm	0,39



QUARTZ INFRARED PANELS, MODELS PQP, 123,5 x 62,5 mm

Code	Volts	Watts	W/cm ²	Average Surface Temperature	Wavelength	Weight in Kg
PQP150	~230 V	150	1,9	342 °C	1,5 a 8 μm	0,25
PQP250	~230 V	250	3,2	437 °C	1,5 a 8 μm	0,25
PQP400	~230 V	400	5,2	532 °C	1,5 a 8 μm	0,25
PQP500	~230 V	500	6,5	593 °C	1,5 a 8 μm	0,25



QUARTZ INFRARED PANELS, MODELS PQC, 62,5 x 62,5 mm

Code	Volts	Watts	W/cm ²	Average Surface Temperature	Wavelength	Weight in Kg
PQC150	~230 V	150	3,2	342 °C	1,5 a 8 μm	0,16
PQC250	~230 V	250	6,5	436 °C	1,5 a 8 μm	0,16

