INFRARED ELEMENTS IN CERAMIC QFEH-K QUARTER FLAT ELEMENT HOLLOW WITH THERMOCOUPLE

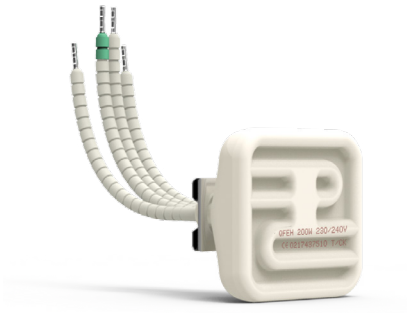
Properties

The standard range of ceramic infrared elements in stock are used in a wide range of industrial and engineering applications such as thermoforming, packaging, paint curing, printing, drying, gluing, sterilisation, roasting etc.

They are also very effectively in infrared outdoor heaters and saunas.

Most plastics and many other materials absorb infrared best in wavelength 2-10 µm, which makes the ceramic heater the most popular radiant emitter on the market.

The hollow design has the advantage of having a shorter heat up time combined with increased energy efficiency. There is a significant reduction in rear heat loss and increased radiant output from the front of the element.



Technical specification

Material	Ceramic hollow body in white glace colour with an embedded high temperature resistance wire and a built-in thermocouple type K
Heater voltage	230 V
Operating temperature	Max permissible 750ºC
Useful wave-length range	2 to 10 µm (microns) long wavelength
Dimensions	60x60x37.5 mm
Average weight	95 g
Electric connection	120 mm ceramic beaded power leads
Assembly	Recommended radiation distance from heater is 100 mm to 200 mm Mounting slot size oval 15x42 mm Steel wave spring and clip set included
Average operating life	Up to 20 000 hrs depending on conditions
Standards	CE

Standard assortment

Model QFEH-K	Power W	Mean surface temperature ºC	Max power density kW/m²	Article no
QFEH-K 125	125	515	30	3054550126
QFEH-K 200	200	710	48	3054550201

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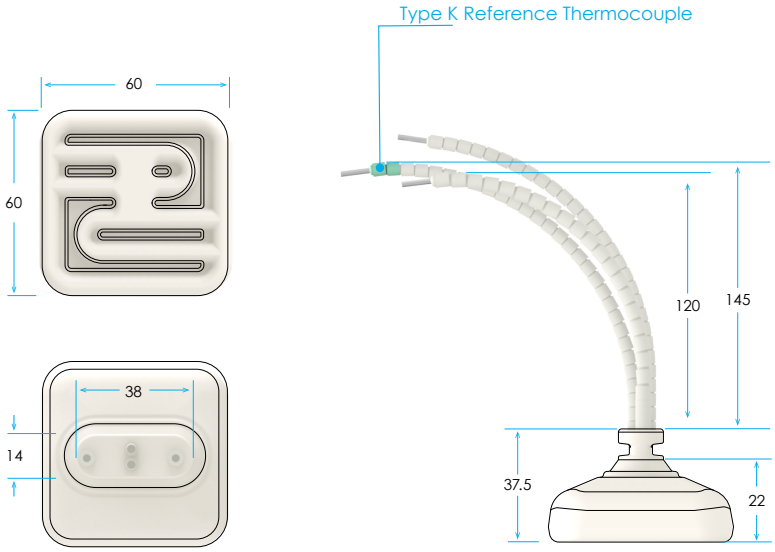
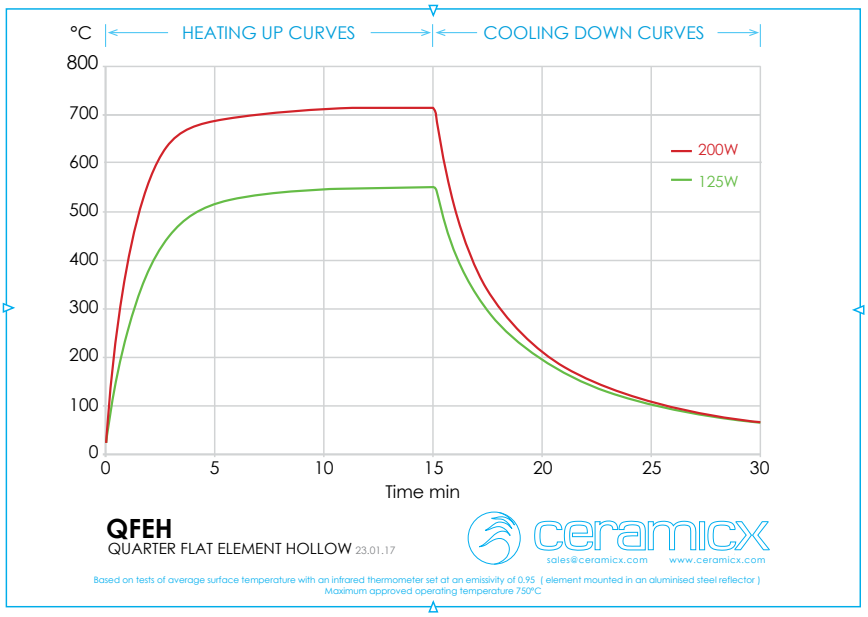


Heat up - Cool down curves



Options

High temperature NPC cable and ceramic terminal blocks, different options
Mounting bracket article no 3009010301
Stainless steel bus bars 8x2x1000 mm article no 3005020305
Other voltages, wattages, lead lengths and ceramic glaze colours available on request

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