

INFRARED ELEMENTS IN QUARTZ HQE

- HALF QUARTZ ELEMENT

Properties

The standard range of quartz infrared heating 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.

Quartz infrared heating elements are particularly effective in industrial applications where rapid heater response and/or zone controlled heating is required including systems with long heater off cycles.



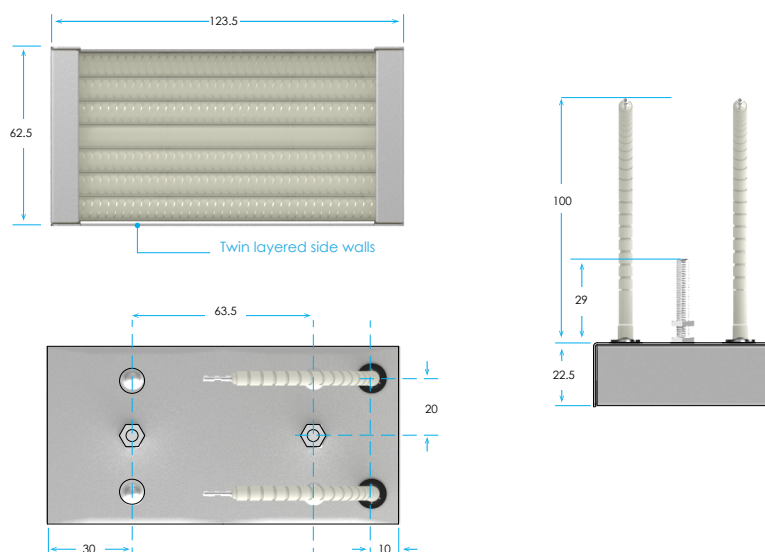
Technical specification

Material	Quartz glass tubes with a temperature resistance wire fitted in a cassette made of aluminised steel
Heater voltage	230 V
Operating temperature	Max 500°C on the aluminised steel cover
Useful wave-length range	1.5 to 8 µm (microns) medium to long wavelength
Dimensions	124x62.5x22.5 mm
Average weight	210 g
Electric connection	100 mm ceramic beaded power leads
Assembly	2 pcs M5x30mm fixing screws Heaters should be mounted horizontally and perpendicular to movement (if any) Recommended radiation distance from heater is 100 mm to 200 mm
Average operating life	5 000 hrs provided that warranty conditions are respected
Standards	CE

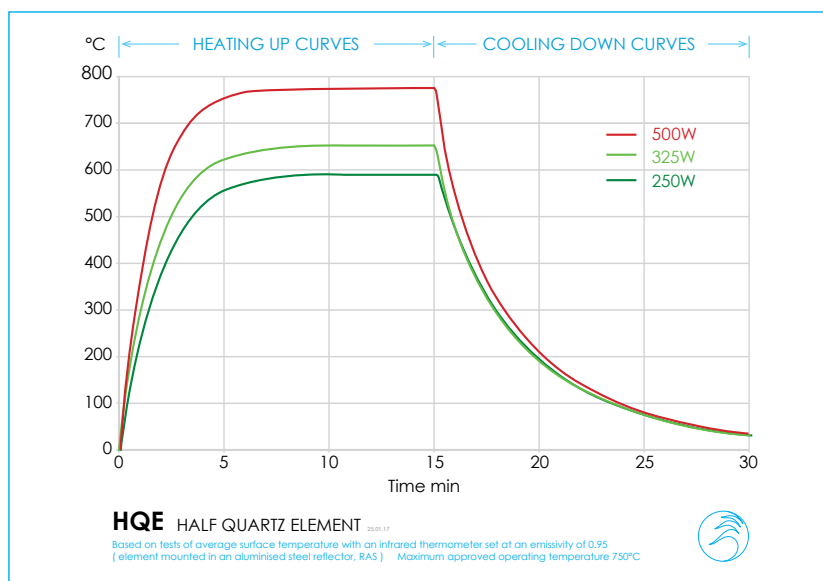
Standard assortment

Model HQE	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
HQE 150	150	477	18	3054210150
HQE 250	250	493	30	3054210250
HQE 325	325	644	39	3054210325
HQE 400	400	709	48	3054210400
HQE 500	500	772	60	3054210500

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Heat up - Cool down curves



Options

Cassette in stainless steel
 High temperature NPC cable and ceramic terminal blocks, different options
 Stainless steel bus bars 8x2x1000 mm article no 3005020305
 Other voltages, wattages and lead lengths available on request