

INFRARED ELEMENTS IN QUARTZ FQE

- FULL 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.



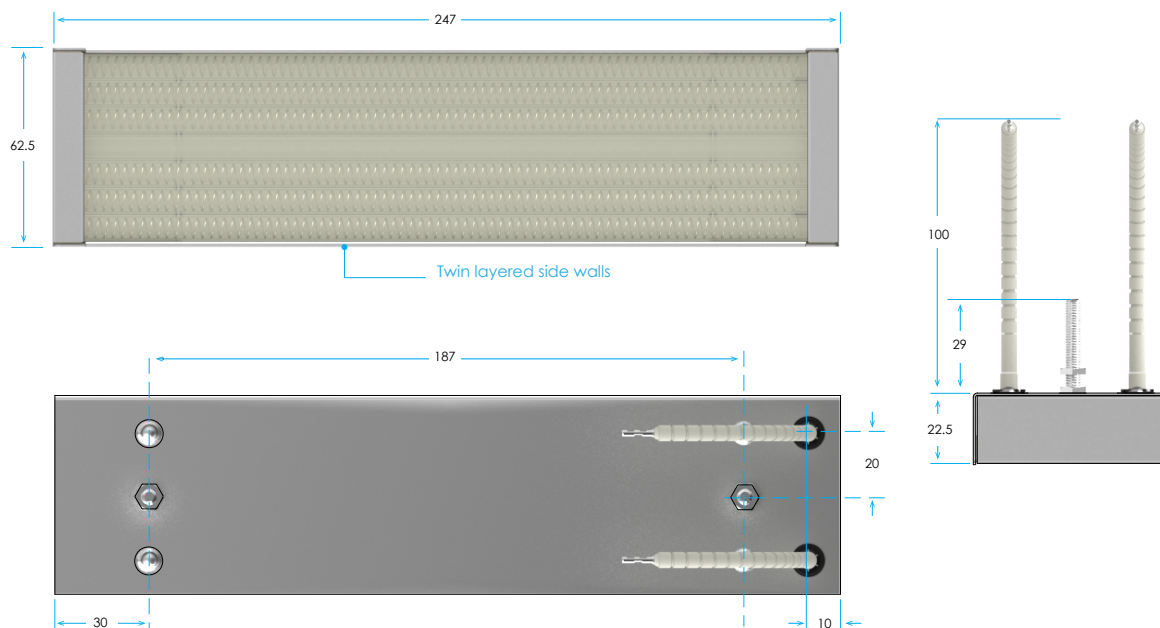
Technical specification

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	247x62.5x22.5 mm
Average weight	403 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, UL-499

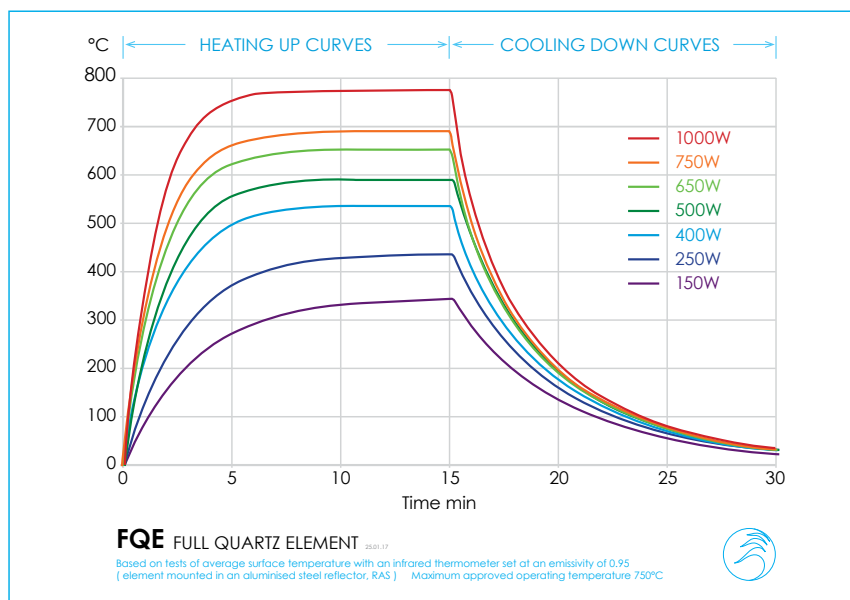
Standard assortment

Model FQE	Power W	Mean surface temperature °C	Max power density kW/m²	Article no
FQE 150	150	343	9	3054220150
FQE 250	250	438	15	3054220250
FQE 300	300	477	18	3054220300
FQE 400	400	542	24	3054220400
FQE 500	500	593	30	3054220500
FQE 650	650	664	39	3054220650
FQE 750	750	690	45	3054220750
FQE 1000	1000	772	60	3054221000

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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