

INFRARED ELEMENTS IN QUARTZ PHQE

- PILLARED 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. The pillared quartz elements have the same mounting fixture as ceramic heaters allowing easy replacement.

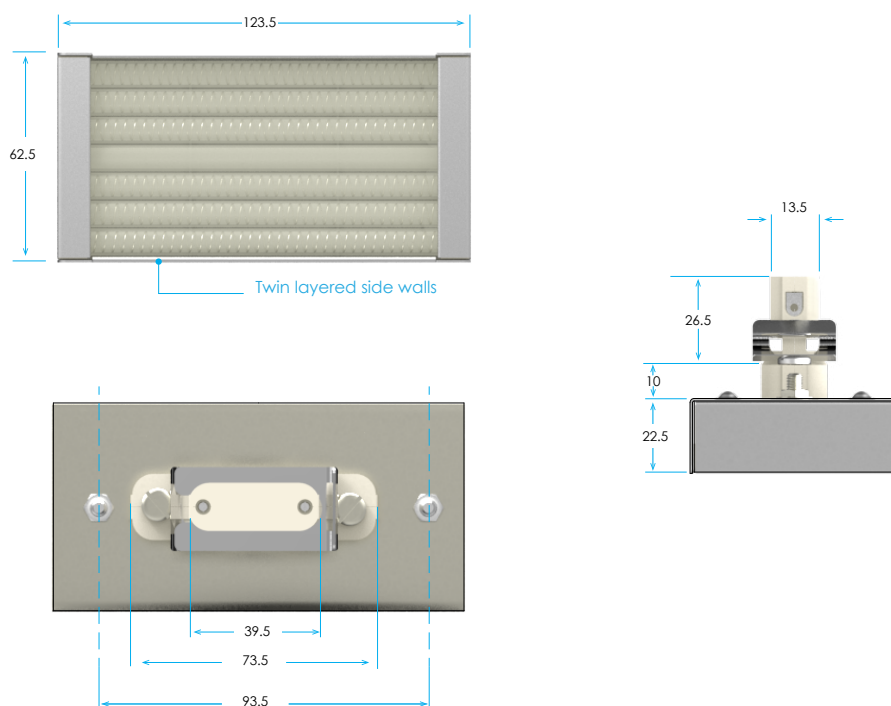


Technical specification

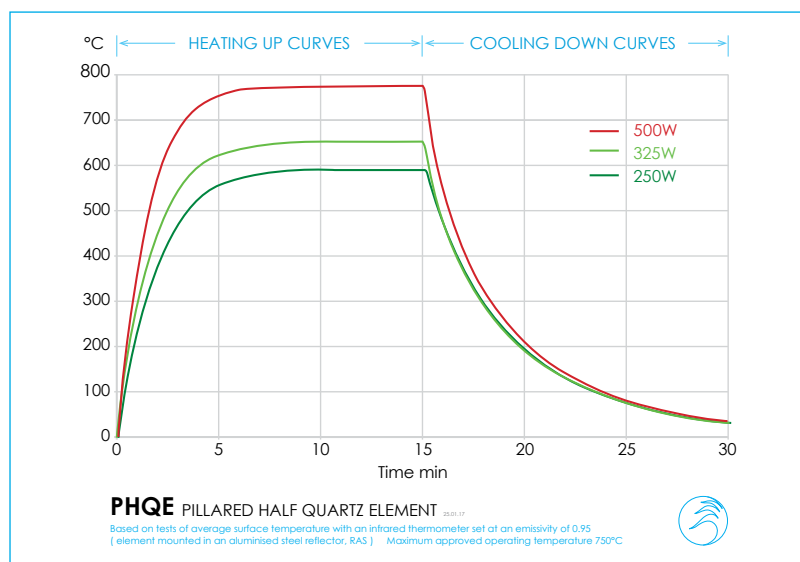
Material	Quartz glass tubes with a temperature resistance wire fitted in a cassette made of aluminised steel
Heater voltage	230 V
Operating temperature	Max 500°C on the aluminised steel cover
Useful wave-length range	1.5 to 8 µm (microns) medium to long wavelength
Dimensions	123.5x62.5x59 mm
Average weight	268 g
Electric connection	Screw terminals in a pressed ceramic pillar
Assembly	Mounting slot size oval 42x15 mm in reflector with max 1.5 mm thickness 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

Model PHQE	Power W	Mean surface temperature °C	Max power density kW/m²	Article no
PHQE 150	150	470	19	3054270150
PHQE 250	250	593	32	3054270250
PHQE 325	325	664	42	3054270325
PHQE 400	400	720	51	3054270400
PHQE 500	500	772	64	3054270500

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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