

INFRARED ELEMENTS IN QUARTZ PFQE – PILLARED 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. The pillared quartz elements have the same mounting fixture as ceramic heaters allowing easy replacement.



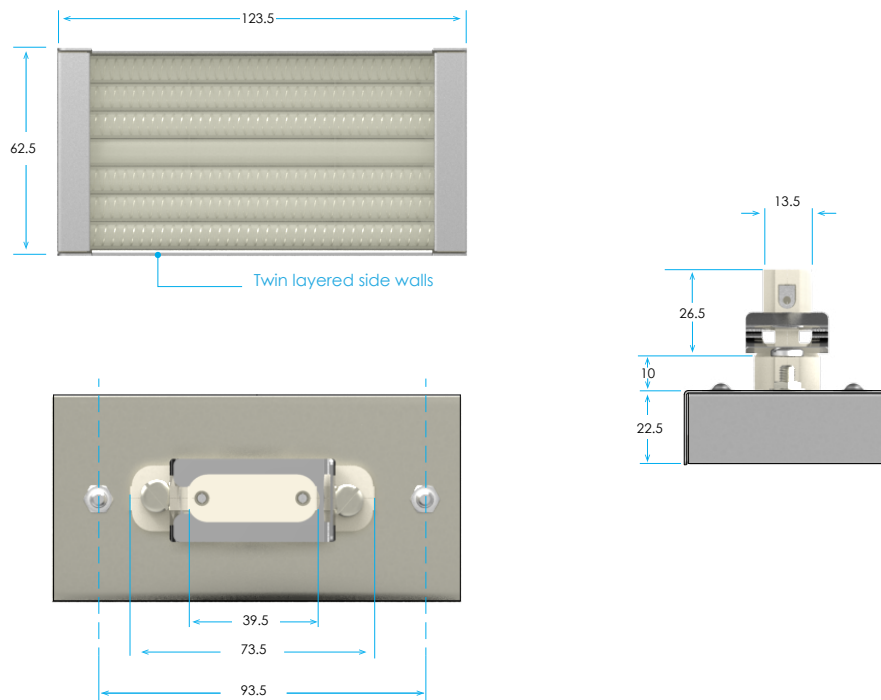
Technical specification

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	247x62.5x59 mm
Average weight	403 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

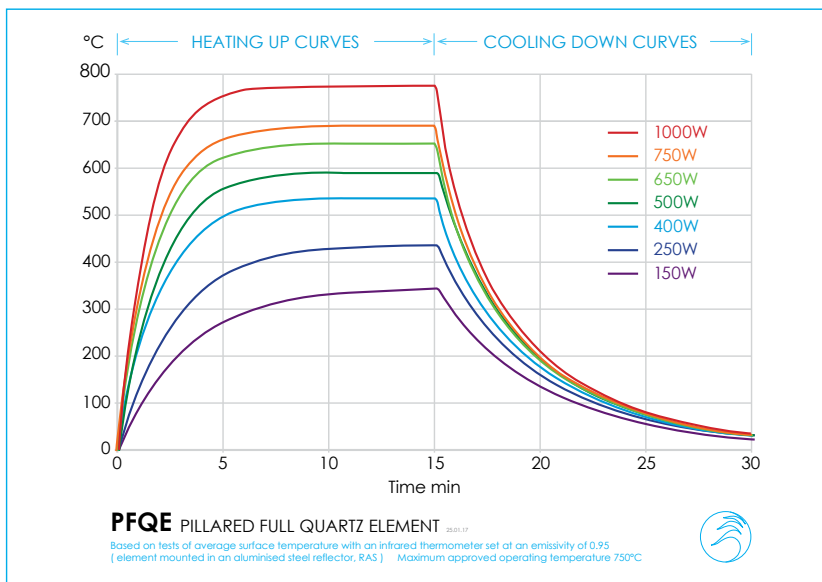
Standard assortment

Model PFQE	Power W	Mean surface temperature °C	Max power density kW/m ²	Article no
PFQE 150	150	343	9	3054230150
PFQE 250	250	438	15	3054230250
PFQE 400	400	542	24	3054230400
PFQE 500	500	593	30	3054230500
PFQE 650	650	664	39	3054230650
PFQE 750	750	690	45	3054230750
PFQE 1000	1000	772	60	3054231000

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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