

QUARTZ EMITTERS-MEDIUM WAVELENGTH

• Applications :

- Emitters particularly used for applications which need fast response such as system with long heater off cycles as they reach operating temperature in few secondes.
- Reactivation of glue
- Plastic heating before use
- Drying of ink or dye
- Heating of painting on ironwork pieces

• Description :


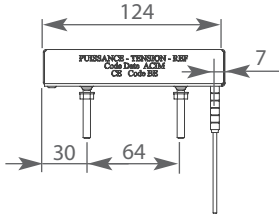
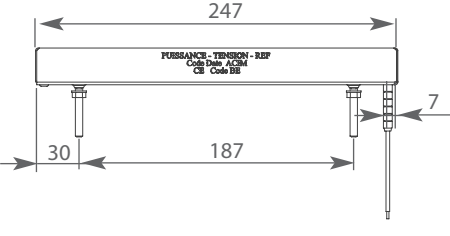

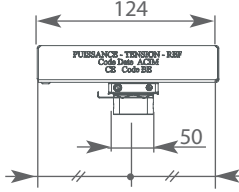
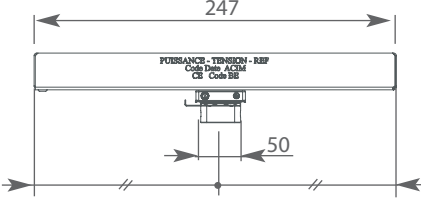
- Two available lengths
124 x 62.5 x 19 mm or 247 x 62.5 x 19 mm.
- Wound resistance coil run through a series of parallel quartz tubes.
- Box in aluminium sheet acting as a reflector to gather the heating flow towards the area to heat.
- Thermic insulation to limit the temperature on the connection on the backside of the emitter.
- Mounting system of the emitter : by stud bolt or terminals
- Voltage: 230 V single phase.



Advantages :

Fast response.

- It is able to work at weak distance from the products to treat
- Large wavelength spectrum
- Very weak thermic inertia
- Heating in few seconds.
- Low loss of radiation.

		P (W)	In stock
<p>Connection insulated leads with fiberglass silk silicone by ceramic pearls on the same side. Length : 200mm Length protected under pearls : 30mm</p> <p>Mounting system of the emitter : stud bolt M5x35mm with provided nuts</p> 		200	QHE 200
		250	QHE 250
		400	QHE 400
		650	QHE 650
		1000	QHE 1000
		250	QFE 250
		400	QFE 400
		650	QFE 650
		1000	QFE 1000
		P (W)	Non stocked
<p>Terminal ceramic connection.</p> <p>Mounting system of the emitter : thanks to the terminal, by a clip and a spring provided with the emitter.</p> 		200	QHEB 200
		250	QHEB 250
		400	QHEB 400
		650	QHEB 650
		1000	QHEB 1000
		250	QFEB 250
		400	QFEB 400
		500	QFEB 500/200*
		650	QFEB 650
		1000	QFEB 1000

*warning : emitter QFEB 500/200 : voltage 200V and not 230V

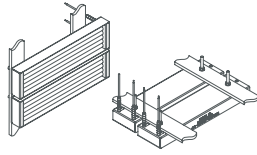
The characteristics of our products are given for information only. We reserve the right to modify them in accordance with the technical evolution.

Thermic characteristics :

- Average surface temperature at full capacity : from 390°C (200W) to 770°C (1000W).
- Wavelength : from 1.5 to 8 μm , with a maximum wavelength situated between 2 μm (1000W) and 5 μm (200W) following the emitter.

Using recommendation

- The emitters have to be mounted horizontally.
- Sometimes clean the emitters to prevent them from fouling up and from losing their heating power. For a good productivity, they have to work in an environment called "transparent".
- Using high : from 100 to 200mm from the product to be heated, according to the characteristics (color, surface treatment, etc.)



Special manufacturing :

- **Manufacturing made to measure**, according to the need of your installation : specific power to obtain a fitted wavelength, specific voltages and dimensions. Seek advice from our sales department
- The emitters, with connections by leads, can be equipped with a **thermocouple**, type J or K, to regulate your installation



INFRARED LAMPS - MEDIUM WAVELENGTH

Technology which combines the short infrared lamp with a wavelength in the area of the medium infrared wavelength.

Applications :

Drying of the painting especially car painting, drying of the plastic or textil in areas such as dietary industry , serigraphy...

Description :

- Coiled heating filament, in tungsten, integrated in a quartz tube full of a special halogen gas. Thanks to this gas, the tube does not lose its quality of wavelength.
- Filament centered in the tube by spikes on both sides.
- Connection by metal strip which can be made to be integrated in your installation.
- Voltage : 400V single phase.

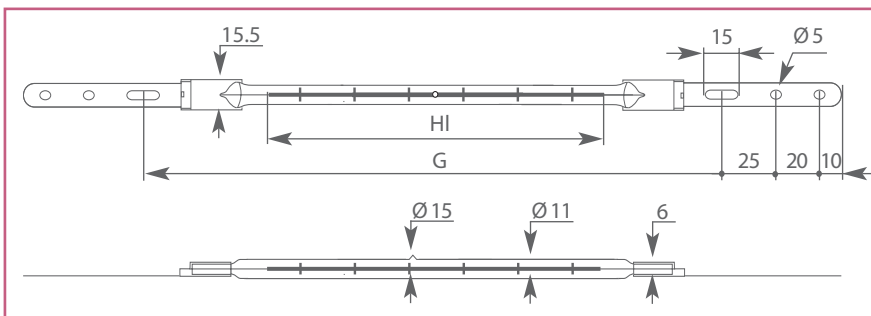
Advantages :

Weak inertia lamp : lighting and extinction in few seconds.
High density of power for a small bulk.
Long-life : 5000h on average.

Thermic characteristics :

- Wavelength : from 0.9 to 3.2 μm .
- Temperature of the filament and wavelength which are fitted with maximum energy wavelength :

P (W)	Temperature (°K)	max. wavelength
2000	1800	1.6 μm



P (W)	U (V)	HI (mm)	G (mm)	Non stocked
2000	400	410	508	-

Legend : HI: Heating length G: gap

Using recommendation :

- Those lamps can be set up in universal position.
- Prevent them from projections
- You must provide an electrical installation : the appeal current can be two or three times bigger than the nominal intensity.
- Do not touch or maintain the tube in your hands.
- Do not mount the blocked infrared lamps : strips must absorb the expansion of the different components of the lamp

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