

General characteristics

The infrared emitters, in single tube or twin tube version, can be made with different wavelengths:

- **Medium wave** → Minimum thermal inertia
- **Fast medium wave** → Absence of thermal inertia
- **Long medium wave** → Minimum thermal inertia
- **Short wave** → Absence of thermal inertia
- **Halogen** → Absence of thermal inertia

The different frequency choice depends on material absorbency, heating necessities, speed and type of application.

The gold reflector on the back of the twin-tube emitter increases radiation yield and enhances directionality.

Use of twin tube of quartz crystal turns it into a much more stable element than the normal single tube. Loss of radiation through the ends is minimal.

Infrared in twin tube version can be manufactured with one single connection end, simplifying installation.



Advantages

- Heating energy is transferred so quickly to the object that its surface reaches curing temperature with a minimum heating of the support.
- Minimum thermic inertia.
- Accurate adjustment and energy saving.
- Localised in-depth surface heating.
- High quality in finish of treated product.
- Reduced size of installations.
- No atmospheric pollution nor harmful action on foods.

Usual applications

- Pre-heating and heating.
- Drying
- Polymerization.
- Thermo-fixing.
- Cooking.
- Defrosting.
- Toasting.
- Sterilisation.
- Dehydration.
- Fusing.
- Sealing

Applications in industry are::

- Glass.
- Paper.
- Plastic.
- Food.
- Paint.
- Graphic arts.
- Textile.
- Rubber.
- Metal.
- Ceramics.
- Wood, etc...

LONG WAVE INFRARED EMITTERS, MODELS 77F

General characteristics

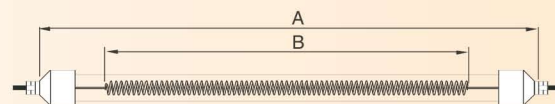
Minimal thermic inertia.

The cheapest and most reliable solution. Efficient drying in the shortest time

- Manufactured in transparent or translucent quartz crystal.
- With or without built-in gold reflector.
- Connection by leads or screw.
- Steatite insulators.
- To order, tubes are made to the client's requirement, their power, voltage and length etc being able to be varied. The support system will be by clips manufactured in stainless steel



Code	Dimensions in mm			Material tube	Volts	Watts
	Section tube	A	B			
77F00315	Ø8 x Ø10	830	785	Translucent quartz	~ 220 V	1200
77F09315	Ø10 x Ø12	930	850	Translucent quartz	~ 220 V	1500
77F09615	Ø10 x Ø12	1415	1355	Translucent quartz	~ 220 V	2500
77F08315	Ø14 x Ø18	1525	1440	Translucent quartz	~ 380 V	2200
77F13015	Ø14 x Ø18	2225	2150	Translucent quartz	~ 220 V	4500

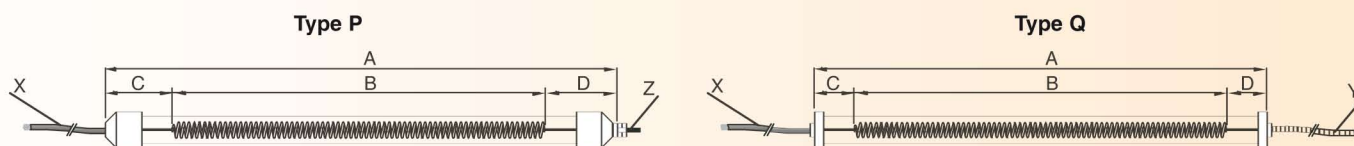


Specific characteristics models 77F

All standard models of the range 77F are supplied by AISI316 stainless steel screw connection.

LONG WAVE INFRARED EMITTERS IN SILICA TRANSLUCENT QUARTZ GLASS, SPECIAL MANUFACTURES

To correctly facilitate and identify the infrared emitter, complete the attached table bearing in mind the corresponding diagrammes:



Type P <input type="checkbox"/>	Type Q <input type="checkbox"/>	Dimensions in mm		Volts	Watts	Connections	
Tube section		A	B				
Ø8 x Ø10 <input type="checkbox"/>		B	C	Z (screw)	<input type="checkbox"/>		
Ø10 x Ø12 <input type="checkbox"/>		C	D	X (cable)	<input type="checkbox"/>	Length	
Ø14 x Ø18 <input type="checkbox"/>		D		Y (The cable is covered with steatite material)	<input type="checkbox"/>	Length	
WITH gold reflector <input type="checkbox"/>							
WITHOUT gold reflector <input type="checkbox"/>							